

A Bibliography of Papers in *Lecture Notes in
Computer Science* (2012): Volumes 7650–7699

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

14 October 2017
Version 1.01

Title word cross-reference

2 [187, 60, 15]. 3 [46]. ¹³ [332]. η_T [68]. $\text{GF}(3^{97})$ [68]. K [113, 108, 190]. λ [430]. N [481].

-Calculus [430]. **-D** [187]. **-Means** [190]. **-Modes** [113]. **-Victims** [481].

0/1 [325].

13th [498, 510, 503]. **15th** [489]. **18th** [490]. **19th** [493, 494, 495, 496, 497].

2-Optimality [1]. **20th** [492]. **256** [240].

3GPP [82]. **3GPP-MAC** [82]. **3kf9** [82]. **3R** [389].

4th [487, 488, 501].

51 [422].

8th [504, 500].

9th [502].

Abandoning [8]. **ABE** [307]. **Abella** [430]. **ABML** [109]. **Abstract** [353]. **Accelerated** [386]. **Acceleration** [212]. **Accelerometer** [446]. **Accelerometer-Based** [446]. **Access** [278, 276, 312, 306, 279, 322]. **Accuracy** [144]. **Achieve** [471]. **Acquisition** [253, 259]. **Action** [328, 361]. **Activities** [5, 134, 120, 205]. **Activity** [456, 457, 446, 463]. **Ad** [36, 98, 284]. **Ad-Hoc** [36, 284]. **AdaBoost** [7]. **Adaptation** [30]. **Adaptive** [386, 447, 457, 323, 453, 173, 328, 355]. **Adaptively** [73]. **Adaptivity** [83]. **Additive** [116]. **Adjacencies** [51]. **Administration** [312]. **ADP** [141]. **Adult** [257]. **Advanced** [440, 441]. **Advances** [503, 490]. **Advantage** [255]. **Advertisers** [371]. **Aerial** [204]. **AES** [244]. **against** [71, 485, 236, 285, 466, 80]. **Agent** [262, 453, 176, 334, 138]. **Agglomerative** [172]. **Agreement** [478, 367]. **Agreement-Conflict** [367]. **Agricultural** [404]. **Aided** [418]. **AIGG** [484]. **Airport** [318]. **AIRS** [504]. **Alarm** [118]. **Alert** [118]. **Alertness** [137]. **Algebraic** [75, 469]. **Algorithm** [388, 318, 391, 396, 321, 97, 323, 315, 395, 379, 187, 229, 333, 114, 173, 190, 105, 28, 394, 186, 385, 331, 384, 390, 185, 383, 45, 329, 212, 343, 269, 344]. **Algorithms** [50, 378, 491, 98, 177, 324, 52, 410, 61, 399]. **Alias** [420]. **Alignment** [27]. **Allocation** [197]. **Always** [126, 210]. **Alzheimer** [383]. **Ambient** [453, 461, 452, 509]. **AmI** [509]. **Analaysis** [489]. **Analog** [407]. **Analyses** [297]. **Analysis** [137, 262, 86, 332, 46, 270, 37, 239, 96, 491, 98, 119, 23, 408, 81, 78, 76, 136, 472, 291, 61, 420, 458, 384, 390, 392, 221, 300, 210, 178]. **Analytics** [400, 403, 399, 506]. **Anchor** [355]. **Annealing** [413, 168]. **Anomaly** [305, 299]. **Anonymity** [478]. **Anonymity-Based** [478]. **Anonymous** [301]. **Answering** [358]. **Ant** [333]. **Antenna** [382]. **Anti** [127, 105]. **Anti-Histamine** [127]. **Anti-tampering** [105]. **Anycast** [390]. **Application** [74, 332, 382, 177, 245, 189, 131, 387, 404, 168, 449, 490, 269]. **Applications** [73, 77, 29, 294, 139, 510, 440, 487, 488, 61, 30]. **Applied** [46]. **Applying** [29]. **Approach** [305, 142, 395, 67, 453, 153, 481, 261, 410, 105, 6, 339, 15, 306, 24, 441, 9, 12, 179, 220, 402, 373, 322, 141]. **Approval** [477]. **Approximate** [85]. **Approximation** [97, 229]. **Approximations** [115]. **APT** [481]. **Arabic** [157]. **Architecture** [303, 120, 455]. **Area** [252]. **ARIA** [472]. **Arithmetic** [191]. **Array** [382, 57, 355, 54]. **Arrays** [55]. **Artificial** [393, 396, 195, 105, 150, 208, 228]. **ARX** [78]. **Asia** [504]. **ASIACRYPT** [490]. **ASMIA** [300]. **Aspects** [296]. **Assembler** [422]. **Assemblies** [203]. **Assessment** [138, 275, 154, 384, 349]. **Assignment** [318]. **Assistant** [439]. **Assistive** [463]. **Association** [127, 108, 111, 106]. **Associative** [216, 252]. **Assumptions** [66, 242, 67]. **Asymmetric** [382]. **Asymptotically** [81].

ATESC [407]. **Atmosphere** [229]. **Atomicity** [290]. **Attack** [242, 305, 484, 240, 245]. **Attacks** [418, 467, 485, 241, 78, 285, 246, 80]. **Attention** [158]. **Attentive** [184]. **Attitude** [460]. **Attribute** [27]. **Attributes** [116]. **Auction** [289]. **Audio** [133, 337, 199]. **Audio-Visual** [133]. **Audiovisual** [337]. **Auditory** [137, 199]. **Augmented** [181]. **August** [510]. **Austin** [489]. **Australia** [501]. **Authenticated** [478]. **Authentication** [294, 476, 196, 306]. **Auto** [200]. **Auto-encoder** [200]. **Automated** [193, 203, 300]. **Automatic** [442, 451, 441, 247, 353]. **Automation** [418, 456]. **Autonomous** [287]. **AutoProof** [441]. **Autoregressive** [364]. **Availability** [301]. **Aware** [277]. **Awareness** [34, 453, 449]. **Away** [205]. **Axiomatic** [18]. **Axiomatization** [41].

Baby [428]. **Back** [103, 414, 443, 448]. **Bacterial** [383]. **Bag** [336]. **Baggage** [318]. **Balance** [225]. **Balanced** [471, 253]. **Bands** [35]. **Base** [14]. **Based** [58, 305, 243, 287, 396, 64, 447, 332, 290, 484, 270, 370, 11, 317, 204, 98, 119, 445, 446, 148, 407, 187, 68, 7, 229, 478, 324, 375, 397, 143, 226, 161, 225, 118, 105, 196, 283, 339, 27, 385, 369, 265, 360, 380, 15, 376, 390, 227, 8, 191, 316, 348, 151, 112, 12, 336, 149, 346, 208, 123, 349, 220, 201, 313, 304, 219, 373, 463, 322, 141, 180, 223, 345, 344, 250]. **Baseline** [342]. **Bases** [18]. **Basic** [50, 255]. **Basis** [342]. **BatGaze** [260]. **Bayes** [153, 366]. **Bayesian** [107, 184, 20, 213, 130, 158]. **BB84** [236]. **BDA** [506]. **Bear** [450]. **Bee** [396]. **Behavior** [310, 451, 138, 408, 30, 201]. **Behavior-Based** [201]. **Behavioral** [461]. **Behaviour** [464]. **Beijing** [490]. **Belief** [18]. **Benchmark** [201]. **Best** [382]. **Beta** [170]. **between** [116, 267, 124, 253, 450]. **beyond** [82]. **BFO** [385]. **Bhubaneswar** [505]. **BI** [499]. **Biasing** [271]. **Biclique** [466]. **Biclustering** [226]. **Bidding** [138]. **Big** [403, 400, 506]. **Big-Data** [400]. **Binary** [49, 50, 62]. **Binding** [478]. **Bio** [166]. **Bio-inspired** [166]. **Biochemical** [330]. **Birthday** [82]. **Blind** [189]. **Block** [77, 350, 245, 76, 410, 472, 247, 178]. **Boolean** [469]. **Bound** [82]. **Boundary** [381]. **Bounds** [241]. **BP** [219]. **Braille** [448]. **Brain** [267, 127, 261, 263, 152, 499]. **Breaking** [68]. **Breakout** [327]. **Bridge** [124]. **Broadside** [382]. **Browser** [274, 479]. **Browsing** [406]. **BTC** [190]. **Building** [409, 312]. **Bundling** [340]. **Business** [120].

C [423, 332]. **CA3** [165]. **Cache** [99]. **Cache-Oblivious** [99]. **Caching** [89]. **Calculator** [143]. **Calculus** [430]. **Calibration** [128]. **Camellia** [245]. **Camera** [352, 128]. **Can** [93]. **Capacitive** [446]. **Car** [448]. **Case** [46, 109, 214]. **Cash** [290]. **Categorical** [110]. **Categories** [145]. **Categorization** [166, 162]. **Category** [163, 358, 257]. **Category-integrated** [358]. **Cauchy** [338]. **CBFO** [385]. **CBFO-Hybrid** [385]. **CBFO-S** [385]. **CEC2011** [202]. **Cell** [7]. **Cellular** [53]. **Center** [260]. **Centric** [475]. **Centroid** [168]. **Certificate** [292]. **Certificate-Less** [292]. **Certificates** [432, 306]. **Certification** [287, 419]. **Certified** [424, 507]. **Change** [89]. **Channel** [281]. **Chaotic** [161]. **Character** [200]. **Characteristics** [264].

Characterization [234]. **Chattering** [299]. **Chattering-Free** [299].
Checking [437, 419]. **Chi** [487, 488]. **Children** [450]. **China**
 [492, 504, 490, 499]. **Chip** [344]. **Choice** [3]. **Chosen** [244]. **Chosen-Key**
 [244]. **Chronic** [262]. **Chunking** [28]. **Cipher** [77, 81, 245, 76, 472, 80].
Ciphers [246, 247]. **Circular** [382]. **Circularity** [48]. **City** [487, 488]. **Class**
 [194]. **Classification**
 [401, 163, 207, 367, 479, 186, 366, 185, 228, 201, 368, 269]. **Classifier**
 [457, 324, 159]. **Classifiers** [298, 184, 409]. **Click** [360]. **Client** [483].
Client-Side [483]. **Closest** [333]. **Closure** [433]. **Cloud**
 [308, 403, 233, 309, 404]. **CLPKM** [292]. **Clustered** [100]. **Clustering**
 [393, 396, 395, 119, 407, 114, 173, 190, 172]. **Clustering-Based** [119]. **Co**
 [214]. **Co-segmentation** [214]. **Code** [424]. **Coding** [350, 341, 346].
Coercion [289]. **Cognitive** [134, 278, 135, 19, 205]. **Coherently** [187].
Coinductively [429]. **Colaborative** [31]. **Collaboration** [38].
Collaborative [310, 5, 2, 3, 361]. **Collection** [359]. **Collective**
 [23, 487, 488]. **Collision** [240]. **Colony** [396, 333]. **Color** [254, 168, 227].
Coloring [327]. **Colorization** [341]. **Combination** [144]. **Combinatorial**
 [60, 45, 489]. **Combiner** [17]. **Combining** [297, 366, 452]. **Commerce** [294].
Communication [86, 287, 450]. **Community** [358]. **Commutation** [57].
Compact [432]. **Comparison** [401, 1, 385, 17, 219, 361]. **Compatible** [199].
CompCert [423]. **Compensation** [350, 208]. **Competition** [202].
Competitive [216]. **Compiler** [417]. **Compilers** [421]. **Completeness**
 [433, 72, 234]. **Complex** [174]. **Complexity** [241, 136]. **Components** [49].
Composite [232]. **Compositional** [428]. **Compositive** [253].
Compression [91, 240]. **Computation** [94, 95, 237, 474, 143, 179].
Computational [164, 199, 487, 488]. **Compute** [231]. **Computer** [418, 191].
Computer-Aided [418]. **Computing** [249, 77, 29, 403, 505, 309, 404, 421].
Concepts [124]. **Concerns** [176]. **Concurrent** [426, 316]. **Conditionals**
 [14]. **Conditions** [411, 138]. **Conference** [502, 491, 498, 507, 504, 493, 494,
 495, 496, 497, 503, 487, 488, 505, 509, 506, 500, 490, 499]. **Conflict** [367, 3].
Connected [49]. **Connectivity** [130]. **Consensus** [3]. **Consensuses** [1].
Consistency [308]. **Constant** [66, 93]. **Constant-Size** [66]. **Constrained**
 [341, 318]. **Constraints** [60]. **Construction** [298, 32]. **Constructions**
 [66, 74, 78]. **Constructive** [433]. **Consumption** [471, 150, 345]. **Contact**
 [342]. **Content** [337, 462, 301]. **Contents** [412]. **Context** [34, 445, 453, 462].
Context-Based [445]. **Contextual** [54, 459]. **Contribution** [258]. **Control**
 [98, 297, 451, 278, 276, 312, 279, 258, 141]. **Controlled** [473]. **Controller**
 [216]. **Convergence** [381]. **Conversational** [143]. **convex** [139].
Convolution [332, 59]. **Cooperative** [332]. **Coordinates** [24]. **Coq** [439].
Core [37, 316]. **Correction** [4, 342]. **Correctness** [422]. **Correlation**
 [79, 187]. **Cortex** [134, 205]. **Cortical** [137]. **Costs** [86]. **Counting** [221].
Coupled [222]. **Covariance** [181]. **Cover** [97]. **Covers** [44]. **Covert** [281].
CPP [507]. **CPUs** [316]. **Creating** [449]. **Creativity** [264]. **Credit** [155].
Crisis [451]. **criteria** [154]. **Criterion** [1]. **Crop** [404]. **Cross** [187].

Cross-Correlation [187]. **Crossover** [202]. **Crowdsourcing** [20]. **Crude** [15]. **Cryptanalysis** [243, 466]. **Cryptographic** [291]. **Cryptography** [418, 64, 470]. **Cryptology** [498, 490]. **Cryptosystems** [68]. **CSS** [501]. **CT** [218]. **Cube** [430]. **Cubes** [23]. **Cubing** [23]. **Cuckoo** [388]. **Cultural** [391]. **Culture** [165]. **Current** [471]. **Curvatures** [46]. **Curve** [47]. **Curves** [474]. **Customer** [192]. **Cyberspace** [501]. **Cylindrical** [24].

D [46, 187, 60]. **Dafny** [442]. **Dam** [189]. **Darknet** [310]. **Data** [116, 107, 270, 115, 155, 403, 26, 173, 225, 28, 136, 106, 387, 409, 47, 506, 295, 24, 231, 130, 400]. **Database** [308, 25, 288]. **Databases** [403, 13, 402, 405]. **Datasets** [110]. **DC** [386]. **DCEL** [44]. **Dead** [141]. **Dead-Zone** [141]. **Deadline** [101]. **DEAL** [329]. **DEBORA** [123]. **December** [502, 492, 491, 498, 507, 504, 503, 505, 506, 500, 490, 501, 499]. **Decision** [152, 39, 117, 154]. **Decision-Making** [152]. **Decisional** [70]. **Decoding** [267, 134]. **Decomposition** [178]. **Decoupled** [187]. **Dedicated** [147]. **Deduplication** [28]. **Defence** [285]. **Definition** [23]. **Deflection** [37]. **Dehazing** [229]. **Delay** [390]. **Delayed** [174]. **Delhi** [506]. **Demand** [292]. **Dementia** [464]. **Dense** [110]. **Density** [322]. **Dependency** [331, 123]. **Dependency-Based** [123]. **Deployment** [33]. **Depth** [261, 260, 352]. **Design** [129, 39, 324, 203, 322, 491]. **Designs** [418]. **Detecting** [85, 482, 370, 297, 483, 268, 300]. **Detection** [298, 310, 305, 401, 372, 484, 11, 299, 317, 445, 7, 206, 118, 339, 191, 151, 223]. **Determination** [207]. **Determine** [233, 481]. **Determining** [130]. **Development** [143, 164]. **Deviations** [217]. **Device** [268, 211]. **Devices** [296, 295]. **Diabetic** [193]. **Diagnosis** [383]. **Dictionaries** [99]. **Dictionary** [198]. **Difference** [216]. **Differential** [242, 382, 467, 215, 78, 76, 394, 472, 326, 380, 316, 80]. **Differentials** [247]. **Digital** [290, 46, 43, 283, 51, 306]. **Digitized** [228]. **Dilution** [135]. **Dimensional** [218]. **Direction** [329]. **Direction-Guided** [329]. **Dirichlet** [171, 197]. **Disambiguation** [434, 363]. **Discovering** [122, 8]. **Discovery** [323, 373]. **Discrete** [249, 379, 174, 60, 47]. **Discriminant** [213]. **Disease** [383]. **Disorders** [164]. **Dispatch** [385]. **Dispersed** [321]. **Display** [452]. **Displays** [462]. **Disruption** [390]. **Dissection** [232]. **Dissimilarity** [140]. **Distant** [355]. **Distinguishers** [79, 244]. **Distortion** [346]. **Distributed** [95, 187, 324, 394, 304]. **Distribution** [129, 394, 322]. **Distributions** [171]. **Diversification** [397]. **Diversified** [359]. **Diversity** [217, 159]. **Division** [435]. **DOA** [187]. **Document** [169, 197, 376]. **Documentation** [405]. **Does** [126, 210]. **Doha** [493, 494, 495, 496, 497]. **Domain** [475, 282, 106, 347, 123]. **Dominance** [319]. **dominated** [330]. **Dominating** [61]. **Dominators** [421]. **Double** [246]. **Double-SP** [246]. **Down** [101, 369]. **Driven** [462, 120, 455]. **DRM** [309]. **Drugs** [127, 300]. **Dual** [67, 181]. **Duration** [337]. **during** [255, 33, 256, 260, 136]. **DyCML** [471]. **Dynamic** [396, 95, 379, 100, 297, 33, 166, 138, 471, 173, 28, 276, 130]. **Dynamical** [194]. **Dynamics** [262, 305, 266, 381].

E-exam [196]. **Early** [152, 8, 383]. **Eavesdropping** [236]. **Economic** [385, 392, 408]. **Economics** [408]. **EcoSim** [320]. **Edge** [317]. **Editor** [31]. **Education** [404]. **EEG** [271, 136, 268]. **Effect** [264, 320, 215, 261, 208]. **Effective** [130]. **Effects** [135]. **Efficiency** [350]. **Efficient** [388, 74, 169, 89, 91, 482, 232, 323, 100, 25, 333, 412, 410, 409, 468, 269]. **Effort** [393]. **Efforts** [176]. **EFP** [25]. **EFP-M2** [25]. **Elapsed** [90]. **Elastic** [163]. **Elba** [508]. **Electronic** [289]. **Elements** [203]. **Elicitation** [402]. **Elimination** [435]. **Email** [298, 483]. **Embedded** [435, 470, 250]. **Embodied** [450]. **Emergence** [320]. **Emerging** [33]. **Emotion** [268]. **Emotional** [119]. **Emotive** [268]. **Emphasis** [264]. **Empirical** [153, 210]. **Employees** [196]. **Empowerment** [264]. **encoder** [200]. **Encrypted** [231]. **Encryption** [232, 307, 304, 309]. **End** [346]. **End-to-End** [346]. **Energetic** [282]. **Energy** [87, 89, 150, 392]. **Engineering** [400, 379]. **Enhanced** [372, 402]. **Enhancement** [388]. **Enhancing** [95, 446, 375, 404, 360, 82]. **Enough** [365]. **Enrichment** [353]. **Ensemble** [298, 11, 324, 217, 409, 159]. **Entailment** [407]. **Entity** [365, 9, 123]. **Entity-Relationship** [123]. **Entrepreneurial** [126, 210]. **Entropy** [380]. **Enumeration** [469]. **Environment** [396, 458, 301, 208]. **Environments** [447, 460, 454, 279, 455]. **Epoc** [268]. **ERP** [255]. **Errors** [434]. **Estimate** [217]. **Estimating** [153, 128]. **Estimation** [129, 187, 195, 381, 348, 258, 199]. **Evaluation** [337, 234, 360, 452, 468, 383, 313]. **Even** [81, 469]. **Even-Mansour** [81]. **Even-Variable** [469]. **Event** [119, 120, 339, 455]. **Event-Driven** [120, 455]. **Evoked** [137]. **Evolution** [502, 382, 394, 326, 380, 334, 316]. **Evolutionary** [318, 315, 325, 505, 461, 329, 179]. **Evolved** [330]. **Evolving** [170]. **exam** [196]. **Examinations** [207]. **Executable** [423]. **Execution** [33]. **Exemplar** [351]. **Expansion** [86, 365]. **Experimental** [96]. **Experts** [4]. **Explain** [261]. **Explicit** [452]. **Exploitation** [114]. **Exploiting** [374, 405, 368, 357]. **Exploration** [386, 114]. **Exploratory** [361]. **Exploring** [374, 450, 357]. **Explosion** [437]. **Extended** [337, 11]. **Extensive** [117]. **Extracting** [123]. **Extraction** [386, 142, 218, 10, 362, 461, 9]. **Extreme** [36, 119]. **Eye** [342].

Face [214, 336]. **Faceted** [406]. **Facial** [341, 205, 336]. **Factors** [150, 313]. **Factory** [452]. **Failure** [99]. **Fairness** [176]. **Fall** [445, 191]. **Family** [242]. **Fast** [86, 59, 44, 330, 45, 178]. **Faster** [249, 94, 244]. **Fatigue** [262]. **Fault** [242, 92, 472]. **Fault-Tolerant** [92]. **FBONT** [170]. **FCSRs** [243]. **Fear** [408]. **Feasibility** [392]. **Feasible** [315]. **Feature** [133, 372, 270, 171, 218, 339, 340, 461, 192]. **Features** [375, 408, 260, 441, 228]. **Feedback** [206, 258]. **Feistel** [246]. **Fermat** [431]. **Fiat** [235]. **FIFO** [102]. **Fighting** [273]. **Figure** [317]. **File** [301]. **File-Sharing** [301]. **Filling** [343]. **Filter** [169, 118]. **Filtering** [298, 482]. **Filters** [129]. **Financial** [154]. **Finding** [107, 43]. **Fingerprint** [313]. **FIREFLY** [385]. **Firing** [153]. **First** [90, 323, 491, 506]. **First-Order** [323]. **Fitness** [317, 320]. **Fitting** [47]. **Fixed** [191]. **Fixed-Point** [191]. **FJSSP** [379]. **Flexible** [170, 216]. **Flood** [384]. **Flooding** [484, 485]. **Flow** [88, 297].

Flow-Time [88]. **Flux** [332]. **FMRI** [130, 270, 252, 256]. **Focus** [192]. **Foraging** [383]. **Forecasting** [170, 144, 138, 408]. **Forecasts** [35, 144]. **Forgery** [483]. **Form** [67, 117]. **Formal** [416, 435]. **Formalization** [430]. **Formalizing** [421]. **Formally** [420]. **Formally-Verified** [420]. **Foundations** [276, 492]. **Fractional** [131]. **Fractional-Space** [131]. **Framework** [49, 29, 16, 278, 355]. **Free** [299, 260]. **Frequent** [25, 12]. **Front** [21, 42, 63, 84, 104, 125, 146, 167, 188, 209, 230, 251, 272, 293, 314, 335, 356, 377, 398, 415, 436, 444, 465, 486]. **Frontal** [205]. **Fuel** [150]. **Full** [478, 475]. **Function** [240, 234, 342]. **Functional** [393, 424]. **Functionalities** [72]. **Functionalities-** [72]. **Functionality** [201]. **Functions** [74, 480, 317, 213, 241, 75, 469]. **Fundus** [193, 151]. **Fusion** [133, 184, 219, 180]. **Future** [64, 13]. **Fuzzy** [393, 266, 324, 16, 160, 283, 19, 15, 454, 172, 17, 194].

GA [330]. **Gait** [345, 344]. **Games** [117]. **Gaps** [94]. **Garbling** [73]. **Gaussian** [148, 151, 130]. **Gaze** [260]. **GBML** [324]. **Gedi** [491]. **Gene** [321]. **General** [307]. **Generalized** [74, 171, 241, 474, 381, 172, 194]. **Generation** [394, 463]. **Generational** [316]. **Generator** [100]. **Generators** [243, 291]. **Generic** [66, 22]. **Genes** [320]. **Genetic** [378, 317, 177, 114, 384, 390]. **Geo** [369]. **Geo-locating** [369]. **Geographical** [10]. **GESNIC** [485]. **Gestural** [455]. **Gesture** [352, 455]. **GET** [484, 485]. **Global** [194]. **Gold** [408]. **Good** [365]. **GPU** [226]. **GPU-Based** [226]. **GPUs** [468]. **Gradients** [7, 215]. **Grading** [193]. **Grain** [242]. **Grammars** [56]. **Granular** [19]. **Granularity** [177]. **Graph** [86, 114, 338, 269]. **Graphics** [212]. **Graphs** [61]. **Gravitational** [321]. **Gray** [388, 341, 190]. **Greenhouse** [208]. **Grid** [53, 302, 322, 302]. **Group** [181, 462, 387]. **Growing** [132]. **Guided** [326, 329]. **Guwahati** [500].

H.264 [347, 346]. **H.264/AVC** [347]. **H.264/SVC** [347]. **Hamsi** [240]. **Hamsi-256** [240]. **Hand** [352]. **Handling** [387]. **Handwriting** [156]. **Handwritten** [157]. **Hanoi** [502]. **Hard** [71, 107]. **Hard-to-Invert** [71]. **Harmony** [202, 379]. **Hash** [480, 241, 475]. **Hashing** [338, 250]. **Hastings** [186]. **Head** [371]. **Hearing** [137]. **Heartbeat** [401]. **Hebbian** [164]. **HEMH2** [325]. **Hessenberg** [410]. **Hessian** [474]. **Heterogeneous** [248, 102]. **Heuristic** [256, 2, 159, 259]. **Hexagonal** [56]. **HID** [305]. **Hierarchical** [374, 2]. **High** [350, 248]. **High-Speed** [248]. **Higher** [419, 245]. **Higher-Order** [419, 245]. **Hilbert** [194]. **Hippocampal** [165]. **Histamine** [127]. **Histogram** [7]. **History** [370]. **Hoc** [36, 98, 284]. **HOG** [223]. **Hold'em** [40]. **Hole** [343]. **Hole-Filling** [343]. **Holistic** [253]. **Home** [456, 458]. **Homepage** [373]. **Hopfield** [161]. **Host** [311]. **HTTP** [484, 485]. **Human** [119, 7, 365, 179, 223]. **Human-Input** [365]. **Human-Simulated** [179]. **Hybrid** [91, 391, 325, 385, 331, 156, 347, 392, 9]. **Hybrid-Domain** [347]. **Hypergraph** [263]. **Hypergraphs** [97]. **Hyperplanes** [45]. **hypothesis** [350].

I/O [410]. **I2P** [301]. **ICCCI** [487, 488]. **ICISS** [500]. **Iconic** [296].
ICONIP [493, 494, 495, 496, 497]. **Identification** [133, 321, 331, 149].
Identifiers [376]. **Identity** [294, 304]. **Identity-Based** [304]. **IEEE** [202].
IEEE-CEC2011 [202]. **II** [494, 488, 210]. **III** [495]. **Illicit** [300]. **Im** [69].
Image [388, 58, 489, 224, 62, 229, 375, 341, 351, 61, 168, 380, 384, 227, 149,
349, 219, 128]. **Image-Based** [375]. **Images**
[193, 49, 50, 169, 140, 204, 190, 283, 151, 313]. **Imaging** [220]. **Imbalanced**
[155]. **Immune** [75, 179]. **Immunity** [469]. **Implement** [206].
Implementations [485, 178]. **Implementations** [248]. **Implicit** [452].
Impossible [467, 247]. **Improved** [467, 325, 26, 190, 472, 392, 149, 349, 220].
Improving [155, 301]. **Impulse** [169]. **Impulsive** [174]. **IMU** [345, 344].
IMU-Based [345, 344]. **Incoherent** [236]. **Incomplete** [115].
Incorporating [375]. **Incremental** [58, 162, 112, 336]. **Independent**
[129, 281]. **Index** [41, 13, 8]. **India** [498, 505, 506, 500]. **Indirect** [150].
Individual [264, 132, 361]. **INDOCRYPT** [498]. **Induction** [112].
Inductive [424, 257]. **Inertial** [445]. **Infer** [461]. **Inference** [283].
Influence [315, 254]. **Informatics** [261, 499]. **Information**
[270, 255, 62, 504, 493, 494, 495, 496, 497, 375, 252, 503, 226, 367, 10, 265,
360, 312, 183, 490, 402, 357, 504, 510, 500]. **Information-Theoretic** [270].
Informative [370]. **Initial** [315]. **Injection** [348]. **Input** [107, 225, 365, 141].
Insider [288]. **inspired** [166]. **Instance** [175]. **Instrument** [206]. **Integral**
[79]. **Integrated** [480, 343, 358]. **Integrating** [4]. **Integrity** [288]. **Intel**
[422]. **Intellectual** [480]. **Intelligence** [105, 487, 488, 509, 461, 300].
Intelligent [492, 203, 118, 454]. **Intentions** [126, 210]. **Intents** [280].
Interaction [460, 448]. **Interactive** [177, 203, 4, 464]. **Interface** [39].
Interfaces [447, 455, 463]. **International** [489, 502, 492, 498, 507, 493, 494,
495, 496, 497, 510, 508, 487, 488, 505, 509, 506, 500, 490, 501, 499]. **Interview**
[207]. **Intrinsic** [264, 334]. **Introduction** [438, 439, 330]. **Intrusion** [118].
Invariance [60]. **Inverse** [181]. **Invert** [71]. **Investigation** [378].
Investigations [481]. **Investor** [408]. **Involving** [194]. **iOS** [295]. **IPv6**
[476]. **Isabelle** [425]. **Island** [510, 508]. **ISMIS** [492]. **iSOM** [162].
Isothetic [43]. **Isotopic** [332]. **Israel** [491]. **Italy** [508, 509]. **Itemset**
[110, 111]. **Itemsets** [12]. **Iterate** [74]. **Iterated** [241, 81]. **Iterative**
[141, 194]. **IV** [496]. **IWCIA** [489].

Japan [507]. **Jeju** [510]. **Joint** [509, 219]. **Juggle** [429].

Kernel [157, 387]. **Kernels** [427]. **Key**
[286, 244, 478, 476, 233, 292, 470, 304]. **Keyer** [448]. **Keyless** [282].
Keyphrase [362]. **Keypoint** [214]. **Keystroke** [305]. **Kibbutz** [491].
Knapsack [325]. **Knapsacks** [232]. **Knowledge**
[142, 109, 5, 118, 3, 365, 106, 14, 363]. **Knowledge-Based** [118]. **Kolkata**
[498]. **Korea** [510]. **KP** [307]. **KP-ABE** [307]. **Kyoto** [507].

Label [257]. **Labeling** [49, 332]. **Labs** [404]. **Lagrangian** [181]. **Language** [121, 177, 358, 253]. **Languages** [447, 57, 54]. **Large** [331, 402]. **LASER** [508]. **Latency** [77]. **Latent** [197]. **Lattices** [65]. **Law** [165]. **Layer** [124]. **Layers** [112]. **Layout** [322]. **LBlock** [466]. **LBP** [223]. **Leakage** [238, 71, 237]. **Learn** [225]. **Learning** [58, 401, 502, 457, 184, 7, 213, 139, 397, 182, 256, 161, 164, 189, 15, 454, 183, 9, 336, 159, 175, 395]. **Lectures** [508]. **LED** [76]. **Less** [292]. **Level** [388, 255, 59, 1, 473]. **Level-Wise** [59]. **Leveraging** [351, 365]. **Lexical** [124, 363]. **License** [222]. **Lightweight** [483]. **Like** [161]. **Likelihood** [185]. **Limb** [258]. **Limn** [215]. **Line** [157, 456, 237]. **Line/Off** [237]. **Linear** [79, 432, 341, 15, 169]. **Link** [393, 33]. **Linked** [178]. **Linking** [222]. **List** [287]. **List-Based** [287]. **Little** [431]. **Load** [144, 385]. **Local** [327, 115, 140, 375, 397]. **Locality** [341]. **Locality-Constrained** [341]. **Localization** [222]. **Localized** [171]. **locating** [369]. **Location** [382, 445]. **Log** [479]. **Logarithms** [249]. **Logic** [456, 432, 433, 438, 471, 160, 15]. **Logical** [106]. **Long** [337]. **Look** [236]. **Loop** [109]. **Low** [77]. **Low-Latency** [77]. **LS** [148]. **LS-SVR** [148]. **Lukasiewicz** [160]. **Luminance** [215]. **Luring** [411].

M [294]. **M-Identity** [294]. **M2** [25]. **MAC** [82]. **Macau** [492, 499]. **Machine** [401, 267, 203, 139, 416]. **Machines** [11, 182, 147]. **Macro** [408]. **Macro-economic** [408]. **Macula** [151]. **Maculopathy** [193]. **Mahalanobis** [213]. **Make** [93]. **Making** [152, 154]. **Malicious** [273]. **Malicious** [482]. **malleability** [235]. **Mammograms** [228]. **Management** [476, 292, 284, 192, 304]. **Manager** [428]. **MANET** [278]. **MANETs** [292]. **Manifold** [139]. **Manipulator** [389]. **Mansour** [81]. **Map** [162]. **Mapping** [26, 328]. **Mappings** [194]. **MapReduce** [29]. **Maps** [207, 10, 19, 186, 145, 132]. **Markerless** [352]. **Market** [138]. **Marketing** [176]. **Markov** [456]. **Mass** [332, 321, 228]. **Mass-Dispersed** [321]. **Matching** [350, 214, 223]. **Materialized** [413]. **Mathematical** [411, 65]. **Matrix** [86, 224, 187]. **Matter** [103, 414, 443, 21, 42, 63, 84, 104, 125, 146, 167, 188, 209, 230, 251, 272, 293, 314, 335, 356, 377, 398, 415, 436, 444, 465, 486]. **Max** [110]. **Maximum** [469]. **MCS** [422]. **MCS-51** [422]. **Means** [35, 190]. **Measure** [48, 111, 260]. **Measurement** [215, 345, 344]. **Measurements** [332]. **Measures** [217]. **Measuring** [274]. **Mechanized** [417, 421]. **MedAlg** [491]. **Media** [119, 406, 300]. **Mediterranean** [491]. **Meet** [245]. **Meet-in-the-Middle** [245]. **Meeting** [463]. **Melbourne** [501]. **Melodic** [206]. **Memetic** [142, 323, 505, 331]. **Memory** [89, 213, 428]. **Merging** [18]. **Merit** [317]. **MESFET** [386]. **Mesh** [285]. **Messages** [370]. **Meta** [395]. **Meta-learning** [395]. **Metabolic** [332]. **Metadata** [284]. **Metaheuristics** [325]. **Meter** [303]. **Method** [35, 372, 482, 204, 148, 181, 248, 26, 2, 387, 409, 15, 112, 149, 123, 180, 194]. **Methods** [401, 483, 154, 452, 17]. **Metropolis** [186]. **Microprocessor** [422]. **Microprocessors** [470]. **Middle** [245]. **Min** [110]. **Min-Max** [110]. **Minh**

[487, 488]. **Minimization** [87]. **Minimum** [88, 327]. **Mining** [116, 108, 25, 111, 6, 106, 12]. **Missing** [195]. **MISTY1** [467]. **Mitigating** [288]. **MIX** [289]. **Mixture** [171, 151]. **Mobile** [286, 274, 296, 294, 476, 284, 449, 211]. **Modal** [433, 14, 323]. **Mode** [299, 471]. **Model** [34, 386, 58, 262, 447, 121, 37, 437, 321, 25, 229, 166, 358, 419, 475, 364, 351, 278, 160, 164, 404, 165, 54, 316, 151, 279, 18, 263, 126, 199, 357]. **Model-Based** [447]. **Modeling** [40, 5, 135, 265, 15, 346, 158]. **Modelling** [411, 150, 156]. **Models** [416, 154, 312]. **Modes** [113]. **Modifications** [366]. **Modified** [148, 389]. **Modular** [195]. **Moments** [217]. **Money** [290]. **Monitoring** [189]. **Morphological** [61]. **Motifs** [8]. **Motion** [350, 339]. **Motivating** [176]. **Motivation** [264]. **Motives** [334]. **Movement** [408]. **Movement-Forecasting** [408]. **Moving** [13]. **MRI** [218]. **Multi** [298, 350, 270, 457, 202, 323, 453, 389, 176, 154, 384, 470, 334, 183, 316, 473, 279, 178, 180]. **Multi-Agent** [453, 176, 334]. **Multi-block** [178]. **Multi-Classifer** [457]. **Multi-core** [316]. **Multi-criteria** [154]. **Multi-hypothesis** [350]. **Multi-Level** [473]. **Multi-modal** [323]. **Multi-objective** [389]. **Multi-Organization** [279]. **Multi-Parent** [202]. **Multi-precision** [470]. **Multi-sensor** [384, 180]. **Multi-Task** [183]. **Multi-tier** [298]. **Multi-Voxel** [270]. **Multicast** [87]. **Multiclass** [147, 185]. **Multicollision** [241]. **Multidimensional** [79, 26, 8]. **Multilevel** [380]. **Multimaps** [99]. **Multimedia** [503, 339]. **Multimodal** [460]. **Multinomial** [366]. **Multiobjective** [325, 319]. **Multipath** [92, 208]. **Multiple** [121, 232, 184, 7, 182, 4, 313, 175]. **Multiple-Instance** [175]. **Multiplication** [271, 86, 470]. **Multiprocessor** [90]. **Multivariable** [24]. **Multivariate** [468]. **Music** [375, 374, 22]. **Mutation** [382, 378, 330]. **Mysteries** [65].

Naive [366, 263]. **Name** [363]. **Named** [9]. **Nearly** [141]. **Necessity** [411]. **Needs** [16]. **Negligible** [99]. **Negotiation** [117, 18]. **Net** [163]. **Nets** [216, 55]. **Network** [107, 36, 456, 321, 184, 213, 118, 189, 168, 191, 281, 208, 228, 130, 126, 210, 201, 222]. **Network-** [36]. **Networking** [3]. **Networks** [286, 393, 95, 200, 96, 204, 98, 100, 33, 195, 174, 161, 285, 284, 176, 369, 150, 390, 263]. **Neural** [393, 170, 224, 204, 213, 195, 134, 153, 226, 161, 189, 205, 150, 168, 191, 208, 228, 222, 493, 494, 495, 496, 497]. **Niche** [384]. **Niching** [397]. **Node.js** [275]. **Nodes** [37, 213]. **Noise** [129, 169, 348]. **Noisy** [319, 47]. **Nominal** [116]. **Non** [169, 456, 235, 108, 139, 475, 319, 330, 355, 450]. **Non-convex** [139]. **Non-dominated** [330]. **Non-linear** [169]. **Non-malleability** [235]. **Non-parametric** [319]. **Non-programmable** [475]. **Non-redundant** [108]. **Non-verbal** [450]. **Non-visual** [456]. **Noninterference** [427, 426]. **Nonlinear** [141, 128]. **Nonparametric** [171]. **Normalization** [121]. **Normalized** [157]. **Novel** [286, 143, 173, 13, 61, 306, 304]. **November** [489, 493, 494, 495, 496, 497, 487, 488, 509]. **NP** [107]. **NP-Hard** [107]. **Number** [315, 222].

O [410]. **Object** [46, 11, 43, 198, 254, 13, 214, 441, 402]. **Object-Oriented** [441]. **objective** [389]. **Objects** [162]. **Oblique** [261]. **Oblivious** [99]. **OBS** [37]. **Observer** [299]. **Observing** [310]. **Obtaining** [197]. **OCE** [31]. **Off** [157]. **Off-Line** [157]. **Office** [196]. **Offline** [200]. **Oil** [15]. **OMP** [219]. **On-Chip** [344]. **On-Demand** [292]. **On-Line** [456, 237]. **On-Line/Off-Line** [237]. **One** [74, 73, 1, 360]. **One-Level** [1]. **One-Time** [73]. **One-Way** [74]. **Online** [31, 129, 101, 143, 336]. **Only** [382]. **Ontology** [27, 124]. **Open** [123]. **Open-Domain** [123]. **Operating** [427]. **Operations** [22]. **Operator** [170, 319]. **Operators** [114]. **Ophthalmic** [207]. **Opponent** [40]. **Optimal** [236, 394, 70, 141]. **Optimality** [1]. **Optimising** [422]. **Optimization** [391, 332, 315, 333, 139, 381, 147, 160, 389, 319, 265, 331, 191, 392, 383, 322]. **Optimizations** [330]. **Optimized** [253]. **Optimizer** [386]. **Options** [38]. **Oracle** [475]. **Orange** [354]. **orBAC** [279]. **Order** [238, 323, 419, 245, 69]. **Ordering** [38]. **Organising** [186]. **Organization** [279]. **Organized** [218, 292]. **Organizing** [207, 367, 162, 145, 132]. **Oriented** [7, 362, 347, 441, 247]. **Orthogonal** [44]. **Outlooks** [182]. **Outsourcing** [73]. **Over-constrained** [318]. **Overcomplete** [198]. **Overlapping** [271]. **Overview** [10]. **Oz** [459].

P [54]. **Pacific** [503]. **Pacific-Rim** [503]. **Packets** [102]. **Pages** [482]. **Pairing** [64, 68, 474]. **Pairing-Based** [64, 68]. **Palm** [149]. **Panel** [410]. **Papers** [510]. **PARAFAC** [178]. **PARAFAC/CP** [178]. **Parahippocampal** [252]. **Parallel** [324, 248, 468]. **Parallelism** [152]. **Parallels** [267]. **Parameter** [386, 321, 378]. **Parameters** [128]. **parametric** [319]. **Parent** [202]. **Parents** [450]. **Part** [493, 494, 495, 496, 497, 487, 488, 223, 126, 210]. **Part-Templates** [223]. **Partial** [97, 57, 192]. **Particle** [386, 396, 381, 392]. **Party** [72]. **Passwords** [296]. **Past** [64]. **Patch** [140, 336]. **Patch-Based** [336]. **Path** [43]. **Paths** [95]. **Pattern** [270, 254, 6, 185, 9]. **Patterns** [85, 332, 94, 25, 461, 463]. **Payment** [477, 290]. **PayWord** [477]. **PCM** [503]. **PDF** [129]. **PEAQ** [199]. **Pearl** [430]. **Pearls** [431]. **Pedestrian** [221]. **Peer** [29]. **Peer-to-Peer** [29]. **Penalized** [185]. **1** [325]. **AVC** [347]. **CP** [178]. **Off-Line** [237]. **SVC** [347]. **Perception** [265]. **Perception-Based** [265]. **Perceptual** [152]. **Perfect** [75]. **Performance** [35, 37, 315, 364, 217, 383]. **Periodic** [85]. **Periods** [337]. **Peripheral** [254]. **Permissions** [449]. **PermissionWatcher** [449]. **Person** [262]. **Personalization** [462]. **Personalized** [32]. **Perspective** [400, 403]. **Persuasive** [452]. **Perturbation** [116]. **Pervasive** [77]. **PET** [220]. **Petri** [55]. **Phase** [89, 333, 471]. **Phase-Change** [89]. **Phishing** [298]. **Phrases** [122]. **Physical** [480, 312]. **Physiological** [266]. **Piles** [364]. **Pisa** [509]. **Pitch** [206]. **Pixel** [11, 60]. **Pixel-Based** [11]. **Pixel-Invariance** [60]. **Pixels** [282]. **Place** [252]. **Placement** [394]. **Planar** [128]. **Plane** [51]. **Planning** [91]. **Plate** [222]. **Platform** [23, 275]. **Play** [132]. **Player** [206]. **PLIDMiner** [373]. **Point** [106, 191, 322, 128]. **Points** [323, 306]. **Poker** [40]. **Pole** [225]. **Policies** [280, 102]. **Polish** [121, 123].

Poly [157]. **Polynomial** [47]. **Polynomials** [468]. **Polyphonic** [206].
Possibilistic [113]. **possibility** [69]. **Post** [164]. **Post-Traumatic** [164].
Potential [137, 38, 371]. **Power** [391, 471, 41, 165, 345]. **Power-Law** [165].
PPA [252]. **Practical** [508, 439, 404]. **Precipitation** [195]. **precision** [470].
Predicting [364]. **Prediction** [393, 350, 33, 148, 217, 154]. **Predictions**
[155]. **Predictive** [217]. **Prepositional** [122]. **Preprocessing** [155].
Presence [450]. **Present** [64]. **Preservation** [52]. **Preserving**
[66, 116, 309, 13]. **Price** [138, 408]. **Prime** [69]. **Prime-Order** [69].
PRINCE [77]. **Principal** [128]. **Privacy** [116, 309, 13, 295, 302].
Privacy-Preserving [309, 13]. **Probabilistic** [115, 48]. **Probability** [99].
Problem [318, 88, 327, 107, 437, 97, 333, 256, 6, 385, 205, 70, 322].
Problems [50, 202, 232, 325, 387, 331, 70]. **Proceeding** [259]. **Proceedings**
[493, 494, 495, 496, 497, 487, 488, 489, 502, 492, 491, 498, 507, 504, 503, 505,
509, 506, 500, 490, 501, 499]. **Process** [171, 4, 156, 253]. **Processing**
[224, 493, 494, 495, 496, 497, 102, 252, 503, 226]. **Producing** [424].
Production [150]. **Profile** [32, 455]. **Profiles** [2]. **Profit** [101]. **Program**
[438, 442, 419]. **programmable** [475]. **Programming** [317]. **Programs**
[73, 507, 435]. **Progress** [498]. **Projecting** [69]. **Projections** [62]. **Promote**
[126, 210]. **Proof** [430, 432, 411, 475, 435, 439]. **Proof-Assistant** [439].
Proofs [418, 431, 507]. **Propagation** [36]. **Properties** [60, 15]. **Property**
[430, 480, 478, 69]. **Protection** [296, 480, 485]. **Protocol** [286, 294, 281].
Protocol-Independent [281]. **Protocols** [237]. **ProtoLeaks** [281].
Proving [67, 440, 426]. **Proximity** [446, 357]. **Proxy** [476, 309]. **Pseudo**
[243]. **Pseudo-random** [243]. **Pseudoinversion** [224]. **PSO** [389].
Psychological [264]. **Public** [462, 292, 470, 306]. **Public-Key** [470].
Publishing [5]. **Pulse** [222]. **PVS** [440]. **PVT** [15].

Qatar [493, 494, 495, 496, 497]. **Quad** [190]. **Quadratic** [468]. **Quality**
[337, 349, 313, 373, 199]. **Query** [362, 402, 368]. **Query-By-Object** [402].
Query-Oriented [362]. **Question** [358]. **Queueing** [102]. **Quickcheck**
[425].

Radial [394, 342]. **Radio** [36]. **Rainbow** [248]. **Random**
[382, 100, 83, 475, 243]. **Randomisations** [116]. **Randomised** [97].
Randomized [74]. **Ranging** [208]. **Rank** [70]. **Rare** [111]. **Rasterization**
[211, 212]. **Rates** [153]. **Rating** [434]. **Raw** [225]. **RBAC** [277]. **RBF** [148].
Re [309]. **Re-encryption** [309]. **Reactions** [119]. **Reactive** [391]. **Real**
[95, 378, 206, 225, 352, 205, 344]. **Real-Parameter** [378]. **Real-Time**
[206, 352, 205, 344]. **Reasonable** [242]. **Reasoning** [257]. **Reassignment**
[376]. **Rebound** [246]. **Recognition**
[157, 456, 46, 457, 200, 446, 462, 198, 254, 147, 352, 355, 214, 9, 336, 222].
Recognizing [460]. **Recommendation** [395, 5, 412, 374, 2, 4].
Reconstruction [62]. **Records** [195]. **Rectangular** [86, 55]. **Reduced**
[244, 467]. **Reduced-Round** [244, 467]. **Reducing** [464, 345]. **Reduction**

[475, 410, 192]. **Reduction-Centric** [475]. **Reductions** [70]. **redundant** [108]. **Reference** [355]. **Refinement** [109, 353]. **Regional** [56, 227]. **Regression** [387]. **Regular** [74]. **Regulatory** [321]. **Reinforcement** [214]. **Related** [464]. **Relation** [367, 27]. **Relational** [405]. **Relations** [116, 122]. **Relationship** [192, 123]. **Relative** [111]. **Reliable** [281]. **RelSup** [111]. **Remanufacturing** [379]. **Remote** [143]. **Removal** [169]. **Renewable** [392]. **Reoptimization** [88]. **Replacement** [116]. **Replicating** [271]. **Represent** [24]. **Representation** [163, 198, 336, 219]. **Reproduced** [165]. **Reproduction** [326]. **Requirement** [402]. **Requirements** [337]. **Reranking** [351]. **Research** [5]. **Researcher** [373]. **Resilient** [237]. **Resistant** [289]. **Resolution** [220]. **Resources** [205]. **Response** [451]. **Responses** [152]. **Rest** [136]. **Retail** [176]. **Retention** [116]. **Retrieval** [255, 504, 358, 375, 265, 214, 357]. **Reusability** [359]. **Revelation** [264]. **Reversible** [283]. **Revised** [510, 508]. **Revisited** [36, 83, 241, 72, 360]. **Revocation** [287]. **Rewriting** [56, 365]. **Rigid** [60]. **Rim** [503]. **Risk** [277, 155, 154]. **Risk-Aware** [277]. **Robust** [7, 216, 340, 306, 348]. **Robustly** [165]. **ROI** [223]. **ROI-HOG** [223]. **Role** [257]. **Rooms** [451, 463]. **Root** [435]. **ROSETTA** [239]. **Rough** [113, 204]. **Round** [244, 467]. **Rounds** [246]. **Route** [91]. **Routing** [87, 37, 390]. **RPKM** [113]. **Rule** [324, 111, 283, 112, 259]. **Rule-Based** [324]. **Rules** [108, 106, 112]. **Rumor** [96].

S [385]. **Saddle** [323]. **SafeCode** [295]. **Safeguarding** [295]. **Safety** [189, 501]. **Sales** [364]. **Saliency** [351, 227]. **Salient** [175]. **Sammon** [26]. **Samples** [271]. **Sampling** [201]. **Satellite** [384]. **Satisfying** [1]. **Scalable** [416, 399, 30]. **Scale** [7, 341, 190, 331]. **Scaling** [87, 165]. **Scatters** [229]. **Scheduling** [88, 101]. **Schema** [405]. **Scheme** [476, 309, 304]. **Schemes** [378, 71]. **School** [508]. **SEAL** [502]. **Search** [388, 327, 321, 202, 379, 371, 351, 135, 359, 32, 247, 361]. **Searchable** [307]. **Second** [507]. **Secure** [303, 73, 287, 71, 237, 294, 471, 234, 284, 311]. **Security** [274, 308, 67, 81, 475, 510, 275, 295, 500, 490, 466, 501]. **Seeds** [365, 365]. **Segment** [339]. **Segment-Based** [339]. **Segmentation** [58, 204, 168, 227, 214]. **Selected** [510]. **Selection** [93, 270, 171, 181, 413, 175]. **Selective** [397]. **Self** [207, 173, 292, 218, 162, 186, 145, 132]. **Self-Adaptive** [173]. **Self-Organising** [186]. **Self-Organized** [218, 292]. **Self-Organizing** [207, 162]. **Sells** [364]. **Semantic** [122, 365, 32]. **Semantics** [423, 417, 27]. **SEMCCO** [505]. **Semi** [457, 9]. **Semi-supervised** [457, 9]. **Sensing** [446]. **Sensitivity** [15]. **Sensor** [286, 384, 180]. **Sensors** [456, 445]. **Sensory** [152]. **Sentiment** [364]. **Separating** [45]. **Separation** [189]. **Sequence** [291]. **Sequences** [132]. **Sequential** [152, 6]. **Series** [170, 148, 217, 8]. **Server** [485]. **Services** [34, 33, 455]. **Sessions** [277]. **Set** [107, 266, 93, 365]. **Sets** [204, 177, 16, 61]. **Setting** [69]. **Settling** [369]. **Several** [213, 246]. **Shall** [429]. **Shamir** [235]. **Shape** [254, 223]. **Shared** [183]. **Sharing** [301]. **Sheets**

[207]. **Shift** [205]. **Short** [35]. **Short-Term** [35]. **Shortest** [90, 95, 43].
Shortest-Elapsed-Time-First [90]. **Side** [483]. **Signals** [216, 268].
Signature [71, 473]. **Signatures** [66, 67]. **Similarity** [269, 349]. **Simple**
 [66]. **Simulated** [413, 168, 179, 502]. **Simulation** [332, 266, 98, 176].
Simulation-Based [98]. **Simulations** [334]. **Simultaneous** [213].
Singapore [503]. **Single** [239, 197, 246]. **Single-SP** [246]. **SIRMs** [160].
Size [66]. **Sizing** [394]. **Skeletal** [62]. **Skill** [256]. **Sleep** [266, 101, 269].
Slice [165]. **Slicing** [44]. **Sliding** [299]. **Sliding-Mode** [299]. **Slow** [101].
Small [50, 249, 176, 354, 165]. **Small-World** [176, 165]. **Smart**
 [303, 447, 460, 412, 458, 455, 463, 322, 302]. **Smartphones** [297]. **Social**
 [460, 96, 406, 3, 369, 300, 353, 126, 210]. **Societies** [504]. **Soft** [480].
Software [393, 273, 508, 439]. **Solution** [385, 376]. **Solutions** [315]. **Solving**
 [202, 256, 3, 205, 259]. **Somatosensory** [134]. **Some** [50, 70, 65]. **Somewhat**
 [311]. **Sorting** [318, 330, 376]. **Sorting-Based** [376]. **Sound** [458, 208].
Sound-Based [208]. **Source** [187, 189]. **SP** [246]. **Space** [50, 16, 131, 22].
Spaces [194]. **Spanners** [92]. **Sparse** [181, 198, 219]. **Sparsest** [107].
Sparsity [159]. **Spatial** [282, 347]. **Spatio** [35, 120, 24]. **Spatio-temporal**
 [35, 120, 24]. **Speaker** [133]. **Specialising** [457]. **Specific** [330, 183].
Specifications [216, 424]. **Spectral** [407]. **Spectrometry** [332]. **Speech**
 [147, 355]. **Speed** [87, 248]. **Spiking** [368]. **SPL** [37]. **SPL-OBS** [37].
Sponsored [371]. **Spreading** [96]. **Square** [435]. **Squeezing** [238]. **SSH**
 [311]. **SSIM** [346]. **SSIM-Based** [346]. **Stages** [269]. **State** [437, 174, 136].
States [134]. **Static** [67, 297]. **Station** [318]. **Statistic** [357]. **Statistical**
 [401, 319]. **Statistics** [261]. **Status** [137]. **Steering** [448]. **Steganography**
 [282]. **Stiefel** [139]. **Stiffness** [258]. **Stimulus** [136]. **Stolen** [295]. **STPHD**
 [180]. **STPHD-Based** [180]. **Strategy** [382, 397]. **Stratified** [18]. **Stream**
 [80]. **Streaming** [409]. **Strengths** [233]. **Stress** [164]. **String** [431, 333].
Stripes [354]. **Structural** [11, 349]. **Structure** [66, 374, 161, 13].
Structure-Preserving [66]. **Structured** [22]. **Structuring** [16, 51]. **Study**
 [327, 46, 255, 109, 371, 252, 256, 254, 479, 214, 212, 219]. **Subjects** [137].
Sudoku [259]. **Sum** [327]. **Summaries** [197]. **Summarization** [407].
Summarizing [14, 405]. **Summer** [508]. **Super** [220]. **supervised** [457, 9].
Supervision [186]. **Support** [447, 11, 117, 111, 182, 147, 455]. **Supporting**
 [308]. **Surveillance** [120]. **SVMs** [157]. **SVR** [148]. **Swarm**
 [386, 381, 392, 505]. **Swing** [225]. **Switching** [174]. **Symmetric** [72, 236].
Symposium [492, 501]. **Synchronization** [174, 161, 165]. **Syndrome**
 [262, 250]. **Syndrome-Based** [250]. **Synthesis** [382, 343]. **System**
 [193, 290, 200, 248, 206, 427, 394, 54, 151, 392, 221, 211, 212, 208, 201, 304,
 342, 345, 194]. **Systemic** [274]. **Systems**
 [303, 492, 39, 480, 453, 20, 83, 203, 4, 15, 399, 449, 500, 141].

Tag [353]. **tampering** [105]. **Tandem** [332]. **Target** [93]. **Targeted** [111].
Task [183]. **Tate** [474]. **Teaching** [397]. **Teaching-Learning** [397].
Technique [397]. **Techniques** [196, 440]. **Techno** [392]. **Techno-Economic**

[392]. **Technologies** [487, 488]. **Technology** [504]. **Teddy** [450]. **Template** [350]. **Templates** [223]. **Temporal** [262, 350, 35, 120, 24]. **Tensor** [11, 178]. **Term** [35]. **Terminal** [299]. **Test** [137, 254, 359]. **Texas** [40]. **Text** [121, 124, 366]. **Texts** [123]. **Textual** [407]. **Texture** [228]. **Their** [411, 450]. **Thematic** [363]. **Theorem** [440, 431]. **Theoretic** [270]. **Theoretical** [400, 126]. **Theory** [16, 490]. **Thermal** [149]. **Thinning** [52]. **Third** [505, 509]. **Threat** [288]. **Three** [471, 218, 112]. **Threshold** [484]. **Thresholding** [380]. **Thresholds** [93]. **Tianjin** [504]. **tier** [298]. **Tight** [81]. **Tightly** [45]. **Tile** [56]. **Time** [88, 90, 73, 337, 170, 148, 206, 217, 13, 352, 131, 205, 8, 344]. **Timeline** [479]. **Tolerant** [92, 390]. **Tool** [260]. **Tools** [508]. **Top** [108]. **Top-** [108]. **Topology** [98, 52, 174, 53, 165]. **Total** [88]. **Trace** [239]. **Tracking** [11, 383]. **Tractable** [93]. **Traffic** [310, 201]. **TrafficS** [201]. **Training** [457, 17]. **Trajectory** [13]. **Transactional** [25]. **Transcoder** [347]. **Transfer** [454]. **Transform** [235]. **Transformation** [372, 307]. **Transformations** [60]. **Transient** [131]. **Transient-Time** [131]. **Transitions** [361]. **Transitive** [433]. **TRARM** [111]. **TRARM-RelSup** [111]. **Traumatic** [164]. **Tree** [12]. **Tree-Based** [12]. **Trees** [170, 110, 111]. **Triangular** [52, 53]. **Trigonometry** [131]. **Trimmed** [144]. **Triples** [123]. **Triviality** [234]. **Truncated** [247]. **Trust** [278, 284, 279, 279]. **Trust-orBAC** [279]. **Tsallis** [380]. **Tumor** [127]. **Turning** [35]. **Tutorial** [508]. **TV** [412]. **Tweets** [369]. **Twitter** [370, 369, 368]. **Two** [238, 62, 333, 1, 72]. **Two-Level** [1]. **Two-Party** [72]. **Two-Phase** [333]. **TX** [489]. **Type** [291, 15]. **Type-** [15].

Undergoing [137]. **Understanding** [119, 451, 83, 132]. **Unified** [234]. **Unit** [222]. **Unit-Linking** [222]. **Units** [360]. **UOWHFs** [74]. **Update** [286]. **USA** [489]. **Use** [150]. **User** [447, 370, 460, 2, 295, 449, 32, 30, 463]. **Users** [369]. **Using** [388, 34, 157, 386, 87, 305, 393, 391, 337, 456, 350, 457, 200, 480, 445, 68, 442, 7, 216, 195, 207, 44, 138, 233, 408, 413, 111, 198, 2, 190, 118, 160, 410, 28, 197, 394, 3, 389, 282, 339, 122, 268, 150, 331, 384, 312, 183, 306, 192, 392, 363, 300, 132, 208, 228, 130, 159, 222, 199, 342]. **Utility** [12].

V [497]. **V2GPriv** [302]. **V2V** [287]. **Validation** [156]. **Valley** [323]. **Valley-Adaptive** [323]. **Vandalism** [372]. **Variable** [469]. **Variance** [94]. **Variational** [177]. **Vector** [11, 182, 147]. **Vectorial** [243]. **Vehicle** [302, 222]. **Vehicle-to-Grid** [302]. **Vein** [149]. **verbal** [450]. **Verification** [290, 417, 118, 508, 439, 441, 428, 421]. **Verified** [420]. **Verifier** [442]. **Version** [392]. **Vertex** [97]. **Veto** [41]. **via** [92, 171, 261, 3, 353, 223]. **Victims** [481]. **Video** [350, 346]. **Videoconference** [342]. **Videoconferencing** [347]. **Videoconferencing-Oriented** [347]. **Videos** [336, 221]. **Vietnam** [502, 487, 488]. **Vietnamese** [9]. **View** [413, 106, 343]. **Viewing** [260]. **Virtual** [404, 428]. **Visibility** [269]. **Vision** [254, 191]. **Visual** [133, 163, 225, 136, 135, 162, 258, 158, 456]. **Visualisation** [163]. **Visualization** [310, 26, 479, 145]. **Visuomotor** [258]. **Vote** [20]. **Voxel**

[270]. **VulnerableMe** [274].

Wall [464]. **Wandering** [464]. **Warehouse** [23]. **Watermarking** [283].
Watershed [58]. **Watershed-Based** [58]. **Way** [74]. **Weaker** [246].
Weaknesses [274]. **Web** [34, 35, 482, 33, 485, 367, 479, 32, 455, 30, 361].
Weighted [12]. **Weighting** [20]. **Wheat** [150]. **Wheel** [448]. **Where** [369].
White [354]. **Wide** [342]. **Wikipedia** [372, 365]. **Wireless** [98, 285]. **WISA**
[510]. **Wise** [59]. **Wizard** [459]. **Word** [157, 247]. **Word-Oriented** [247].
Words [336]. **Work** [50]. **Workshop** [489, 510]. **Workspace** [389]. **World**
[176, 165]. **Wormhole** [285].

XCS [328].

Young [450].

Zero [79]. **Zone** [141]. **ZUC** [80].

References

Kozierkiewicz-Hetmanska:2012:COL

- [1] Adrianna Kozierkiewicz-Hetmańska. Comparison of one-level and two-level consensuses satisfying the 2-optimality criterion. *Lecture Notes in Computer Science*, 7653:1–10, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_1/.

Maleszka:2012:HMC

- [2] Marcin Maleszka, Bernadetta Mianowska, and Ngoc-Thanh Nguyen. A heuristic method for collaborative recommendation using hierarchical user profiles. *Lecture Notes in Computer Science*, 7653:11–20, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_2/.

Nguyen:2012:SCC

- [3] Quoc Uy Nguyen, Trong Hai Duong, and Sanggil Kang. Solving conflict on collaborative knowledge via social networking using consensus choice. *Lecture Notes in Computer Science*, 7653:21–30, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_3/.

Pham:2012:IME

- [4] Xuan Hau Pham, Jason J. Jung, and Ngoc-Thanh Nguyen. Integrating multiple experts for correction process in interactive recommendation

systems. *Lecture Notes in Computer Science*, 7653:31–40, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_4/.

Huynh:2012:MCK

- [5] Tin Huynh and Kiem Hoang. Modeling collaborative knowledge of publishing activities for research recommendation. *Lecture Notes in Computer Science*, 7653:41–50, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_5/.

Nguyen:2012:NAP

- [6] Thanh-Trung Nguyen and Phi-Khu Nguyen. A new approach for problem of sequential pattern mining. *Lecture Notes in Computer Science*, 7653:51–60, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_6/.

Hoang:2012:RHD

- [7] Van-Dung Hoang, My-Ha Le, and Kang-Hyun Jo. Robust human detection using multiple scale of cell based histogram of oriented gradients and AdaBoost learning. *Lecture Notes in Computer Science*, 7653:61–71, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_7/.

Son:2012:DTS

- [8] Nguyen Thanh Son and Duong Tuan Anh. Discovering time series motifs based on multidimensional index and early abandoning. *Lecture Notes in Computer Science*, 7653:72–82, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_8/.

Vo:2012:HAP

- [9] Duc-Thuan Vo and Cheol-Young Ock. A hybrid approach of pattern extraction and semi-supervised learning for Vietnamese named entity recognition. *Lecture Notes in Computer Science*, 7653:83–93, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_9/.

Pawlikowski:2012:IEG

- [10] Roman Pawlikowski, Krzysztof Ociepa, Urszula Markowska-Kaczmar, and Pawel B. Myszkowski. Information extraction from geographical overview

maps. *Lecture Notes in Computer Science*, 7653:94–103, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_10/.

Cyganek:2012:PBO

- [11] Bogusław Cyganek and Michał Woźniak. Pixel-based object detection and tracking with ensemble of support vector machines and extended structural tensor. *Lecture Notes in Computer Science*, 7653:104–113, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_11/.

Vo:2012:TBA

- [12] Bay Vo, Bac Le, and Jason J. Jung. A tree-based approach for mining frequent weighted utility itemsets. *Lecture Notes in Computer Science*, 7653:114–123, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_12/.

Phan:2012:NTP

- [13] Trong Nhan Phan and Tran Khanh Dang. A novel trajectory privacy-preserving future time index structure in moving object databases. *Lecture Notes in Computer Science*, 7653:124–134, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_13/.

Skorupa:2012:SKB

- [14] Grzegorz Skorupa and Radosław Katarzyniak. Summarizing knowledge base with modal conditionals. *Lecture Notes in Computer Science*, 7653:135–144, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_14/.

Selamat:2012:MPP

- [15] Ali Selamat, S. O. Olatunji, and Abdul Azeez Abdul Raheem. Modeling PVT properties of crude oil systems based on type-2 fuzzy logic approach and sensitivity based linear learning method. *Lecture Notes in Computer Science*, 7653:145–155, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_15/.

Jastrzebska:2012:SSN

- [16] Agnieszka Jastrzebska and Wladyslaw Homenda. On structuring of the space of needs in the framework of fuzzy sets theory. *Lecture Notes in*

Computer Science, 7653:156–165, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_16/.

Wilk:2012:CFC

- [17] Tomasz Wilk and Michał Woźniak. Comparison of fuzzy combiner training methods. *Lecture Notes in Computer Science*, 7653:166–173, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_17/.

Tran:2012:AMM

- [18] Trong Hieu Tran and Quoc Bao Vo. An axiomatic model for merging stratified belief bases by negotiation. *Lecture Notes in Computer Science*, 7653:174–184, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_18/.

Pedrycz:2012:FCM

- [19] Witold Pedrycz and Wladyslaw Homenda. From fuzzy cognitive maps to granular cognitive maps. *Lecture Notes in Computer Science*, 7653:185–193, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_19/.

Hardas:2012:BVW

- [20] Manas S. Hardas and Lisa Purvis. Bayesian vote weighting in crowdsourcing systems. *Lecture Notes in Computer Science*, 7653:194–203, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34630-9_20/.

Anonymous:2012:FMA

- [21] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7653:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34630-9/1>.

Sitarek:2012:GOS

- [22] Tomasz Sitarek and Wladyslaw Homenda. Generic operations in the structured space of the music. *Lecture Notes in Computer Science*, 7654:1–10, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_1/.

Hoang:2012:CCP

- [23] Duong Thi Anh Hoang, Ngoc Sy Ngo, and Binh Thanh Nguyen. Collective cubing platform towards definition and analysis of warehouse cubes. *Lecture Notes in Computer Science*, 7654:11–20, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_2/.

Tran:2012:ACC

- [24] Phuoc Vinh Tran. To approach cylindrical coordinates to represent multi-variable spatio-temporal data. *Lecture Notes in Computer Science*, 7654:21–28, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_3/.

Herawan:2012:EME

- [25] Tutut Herawan, A. Noraziah, Zailani Abdullah, Mustafa Mat Deris, and Jemal H. Abawajy. EFP-M2: Efficient model for mining frequent patterns in transactional database. *Lecture Notes in Computer Science*, 7654:29–38, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_4/.

Kwasnicka:2012:ISM

- [26] Halina Kwasnicka and Pawel Siemionko. Improved Sammon mapping method for visualization of multidimensional data. *Lecture Notes in Computer Science*, 7654:39–48, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_5/.

Pietranik:2012:ORA

- [27] Marcin Mirosław Pietranik and Ngoc Thanh Nguyen. Ontology relation alignment based on attribute semantics. *Lecture Notes in Computer Science*, 7654:49–58, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_6/.

Moon:2012:DDU

- [28] Young Chan Moon, Ho Min Jung, Chuck Yoo, and Young Woong Ko. Data deduplication using dynamic chunking algorithm. *Lecture Notes in Computer Science*, 7654:59–68, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_7/.

Dang:2012:AMF

- [29] Huynh Tu Dang, Ha Manh Tran, Phach Ngoc Vu, and An Truong Nguyen. Applying MapReduce framework to peer-to-peer computing applications. *Lecture Notes in Computer Science*, 7654:69–78, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_8/.

Wecl:2012:SAW

- [30] Krzysztof Węcel, Tomasz Kaczmarek, and Agata Filipowska. Scalable adaptation of Web applications to users' behavior. *Lecture Notes in Computer Science*, 7654:79–88, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_9/.

Andres:2012:OOC

- [31] César Andrés, Rui Abreu, and Alberto Núñez. OCE: An online collaborative Editor. *Lecture Notes in Computer Science*, 7654:89–98, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_10/.

Uddin:2012:CSU

- [32] Mohammed Nazim Uddin, Trong Hai Duong, Visal Sean, and Geun-Sik Jo. Construction of semantic user profile for personalized Web search. *Lecture Notes in Computer Science*, 7654:99–108, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_11/.

Grzech:2012:LPD

- [33] Adam Grzech, Krzysztof Juszczyszyn, Paweł Stelmach, and Łukasz Falas. Link prediction in dynamic networks of services emerging during deployment and execution of Web services. *Lecture Notes in Computer Science*, 7654:109–120, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_12/.

Al-Zyoud:2012:TMC

- [34] Mahran Al-Zyoud, Imad Salah, and Nadim Obeid. Towards a model of context awareness using Web services. *Lecture Notes in Computer Science*, 7654:121–131, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_13/.

Borzemski:2012:STS

- [35] Leszek Borzemski, Michal Danielak, and Anna Kaminska-Chuchmala. Short-term spatio-temporal forecasts of Web performance by means of turning bands method. *Lecture Notes in Computer Science*, 7654:132–141, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_14/.

Blaskiewicz:2012:EPA

- [36] Przemysław Błażkiewicz, Mirosław Kutylowski, Wojciech Wodo, and Kamil Wolny. Extreme propagation in an ad-hoc radio network- revisited. *Lecture Notes in Computer Science*, 7654:142–151, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_15/.

Chuong:2012:MPA

- [37] Dang Thanh Chuong, Vu Duy Loi, and Vo Viet Minh Nhat. A model for the performance analysis of SPL-OBS core nodes with deflection routing. *Lecture Notes in Computer Science*, 7654:152–161, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_16/.

Encheva:2012:OPC

- [38] Sylvia Encheva. Ordering of potential collaboration options. *Lecture Notes in Computer Science*, 7654:162–171, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_17/.

Dong:2012:IDD

- [39] Ching-Shen Dong and Ananth Srinivasan. Interface design for decision systems. *Lecture Notes in Computer Science*, 7654:172–181, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_18/.

Fedczyszyn:2012:OMT

- [40] Grzegorz Fedczyszyn, Leszek Koszalka, and Iwona Pozniak-Koszalka. Opponent modeling in Texas hold'em poker. *Lecture Notes in Computer Science*, 7654:182–191, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_19/.

Mercik:2012:API

- [41] Jacek Mercik. On axiomatization of power index of veto. *Lecture Notes in Computer Science*, 7654:192–200, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34707-8_20/.

Anonymous:2012:FMb

- [42] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7654:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34707-8/1>.

Dutt:2012:FSI

- [43] Mousumi Dutt, Arindam Biswas, Partha Bhowmick, and Bhargab B. Bhattacharya. On finding shortest isothetic path inside a digital object. *Lecture Notes in Computer Science*, 7655:1–15, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_1/.

Karmakar:2012:FSO

- [44] Nilanjana Karmakar, Arindam Biswas, and Partha Bhowmick. Fast slicing of orthogonal covers using DCEL. *Lecture Notes in Computer Science*, 7655:16–30, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_2/.

Veelaert:2012:FCA

- [45] Peter Veelaert. Fast combinatorial algorithm for tightly separating hyperplanes. *Lecture Notes in Computer Science*, 7655:31–44, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_3/.

Chen:2012:DCA

- [46] Li Chen and Soma Biswas. Digital curvatures applied to 3D object analysis and recognition: a case study. *Lecture Notes in Computer Science*, 7655:45–58, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_4/.

Sekiya:2012:DPC

- [47] Fumiki Sekiya and Akihiro Sugimoto. Discrete polynomial curve fitting to noisy data. *Lecture Notes in Computer Science*, 7655:59–74,

2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_5/.

Herrera-Navarro:2012:PMC

- [48] Ana Marcela Herrera-Navarro, Hugo Jiménez-Hernández, and Iván Ramón Terol-Villalobos. A probabilistic measure of circularity. *Lecture Notes in Computer Science*, 7655:75–89, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_6/.

Asano:2012:NFC

- [49] Tetsuo Asano and Sergey Bereg. A new framework for connected components labeling of binary images. *Lecture Notes in Computer Science*, 7655:90–102, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_7/.

Asano:2012:SWS

- [50] Tetsuo Asano, Sergey Bereg, and Lilian Buzer. Small work space algorithms for some basic problems on binary images. *Lecture Notes in Computer Science*, 7655:103–114, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_8/.

Slapal:2012:ASD

- [51] Josef Šlapal. Adjacencies for structuring the digital plane. *Lecture Notes in Computer Science*, 7655:115–127, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_9/.

Kardos:2012:TPT

- [52] Péter Kardos and Kálmán Palágyi. On topology preservation for triangular thinning algorithms. *Lecture Notes in Computer Science*, 7655:128–142, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_10/.

Nagy:2012:CTT

- [53] Benedek Nagy. Cellular topology on the triangular grid. *Lecture Notes in Computer Science*, 7655:143–153, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_11/.

Subramanian:2012:PSM

- [54] K. G. Subramanian, Ibrahim Venkat, and Petra Wiederhold. A P system model for contextual array languages. *Lecture Notes in Computer Science*, 7655:154–165, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_12/.

Lalitha:2012:RAP

- [55] D. Lalitha, K. Rangarajan, and Durairaj Gnanaraj Thomas. Rectangular arrays and Petri nets. *Lecture Notes in Computer Science*, 7655:166–180, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_13/.

Kamaraj:2012:RHT

- [56] Thangasamy Kamaraj and Durairaj Gnanaraj Thomas. Regional hexagonal tile rewriting grammars. *Lecture Notes in Computer Science*, 7655:181–195, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_14/.

Kamaraj:2012:PCA

- [57] Thangasamy Kamaraj, Durairaj Gnanaraj Thomas, H. Geetha, and T. Kalyani. Partial commutation on array languages. *Lecture Notes in Computer Science*, 7655:196–208, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_15/.

Attig:2012:ILM

- [58] Anja Attig and Petra Perner. Incremental learning of the model for watershed-based image segmentation. *Lecture Notes in Computer Science*, 7655:209–222, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_16/.

Gonzalez:2012:FLW

- [59] Damien Gonzalez, Rémy Malgouyres, Henri-Alex Esbelin, and Chafik Samir. Fast level-wise convolution. *Lecture Notes in Computer Science*, 7655:223–233, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_17/.

Ngo:2012:CPD

- [60] Phuc Ngo, Yukiko Kenmochi, Nicolas Passat, and Hugues Talbot. Combinatorial properties of 2D discrete rigid transformations under pixel-invariance constraints. *Lecture Notes in Computer Science*, 7655:234–248, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_18/.

Potluri:2012:NMA

- [61] Anupama Potluri and Chakravarthy Bhagvati. Novel morphological algorithms for dominating sets on graphs with applications to image analysis. *Lecture Notes in Computer Science*, 7655:249–262, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_19/.

Hantos:2012:BIR

- [62] Norbert Hantos, Péter Balázs, and Kálmán Palágyi. Binary image reconstruction from two projections and skeletal information. *Lecture Notes in Computer Science*, 7655:263–273, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34732-0_20/.

Anonymous:2012:FMc

- [63] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7655:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34732-0/1>.

Boneh:2012:PBC

- [64] Dan Boneh. Pairing-based cryptography: Past, present, and future. *Lecture Notes in Computer Science*, 7658:1, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34961-4_1.

Zong:2012:SMM

- [65] Chuanming Zong. Some mathematical mysteries in lattices. *Lecture Notes in Computer Science*, 7658:2–3, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34961-4_2.

Abe:2012:CSS

- [66] Masayuki Abe, Melissa Chase, Bernardo David, Markulf Kohlweiss, and Ryo Nishimaki. Constant-size structure-preserving signatures: Generic

constructions and simple assumptions. *Lecture Notes in Computer Science*, 7658:4–24, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_3/.

Gerbush:2012:DFS

- [67] Michael Gerbush, Allison Lewko, Adam O’Neill, and Brent Waters. Dual form signatures: An approach for proving security from static assumptions. *Lecture Notes in Computer Science*, 7658:25–42, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_4/.

Hayashi:2012:BPB

- [68] Takuya Hayashi, Takeshi Shimoyama, Naoyuki Shinohara, and Tsuyoshi Takagi. Breaking pairing-based cryptosystems using η_T pairing over $\text{GF}(3^{97})$. *Lecture Notes in Computer Science*, 7658:43–60, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_5/.

Seo:2012:IPP

- [69] Jae Hong Seo. On the (im)possibility of projecting property in prime-order setting. *Lecture Notes in Computer Science*, 7658:61–79, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_6/.

Villar:2012:ORS

- [70] Jorge Luis Villar. Optimal reductions of some decisional problems to the rank problem. *Lecture Notes in Computer Science*, 7658:80–97, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_7/.

Faust:2012:SSS

- [71] Sebastian Faust, Carmit Hazay, Jesper Buus Nielsen, and Peter Sebastian Nordholt. Signature schemes secure against hard-to-invert leakage. *Lecture Notes in Computer Science*, 7658:98–115, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_8/.

Lindell:2012:CST

- [72] Yehuda Lindell, Eran Omri, and Hila Zarosim. Completeness for symmetric two-party functionalities- revisited. *Lecture Notes in Computer Science*, 7658:116–133, 2012. CODEN LNCS9. ISSN 0302-9743 (print),

1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_9/.

Bellare:2012:ASG

- [73] Mihir Bellare, Viet Tung Hoang, and Phillip Rogaway. Adaptively secure garbling with applications to one-time programs and secure outsourcing. *Lecture Notes in Computer Science*, 7658:134–153, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_10/.

Ames:2012:GRI

- [74] Scott Ames, Rosario Gennaro, and Muthuramakrishnan Venkitasubramanian. The generalized randomized iterate and its application to new efficient constructions of UOWHFs from regular one-way functions. *Lecture Notes in Computer Science*, 7658:154–171, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_11/.

Liu:2012:PAI

- [75] Meicheng Liu, Yin Zhang, and Dongdai Lin. Perfect algebraic immune functions. *Lecture Notes in Computer Science*, 7658:172–189, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_12/.

Mendel:2012:DAL

- [76] Florian Mendel, Vincent Rijmen, Deniz Toz, and Kerem Varıcı. Differential analysis of the LED block cipher. *Lecture Notes in Computer Science*, 7658:190–207, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_13/.

Borghoff:2012:PLL

- [77] Julia Borghoff, Anne Canteaut, Tim Güneysu, Elif Bilge Kavun, and Miroslav Knezevic. PRINCE — a low-latency block cipher for pervasive computing applications. *Lecture Notes in Computer Science*, 7658:208–225, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_14/.

Leurent:2012:ADA

- [78] Gaëtan Leurent. Analysis of differential attacks in ARX constructions. *Lecture Notes in Computer Science*, 7658:226–243, 2012. CODEN LNCS9.

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_15/.

Bogdanov:2012:IML

- [79] Andrey Bogdanov, Gregor Leander, Kaisa Nyberg, and Meiqin Wang. Integral and multidimensional linear distinguishers with correlation zero. *Lecture Notes in Computer Science*, 7658:244–261, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_16/.

Wu:2012:DAA

- [80] Hongjun Wu, Tao Huang, Phuong Ha Nguyen, Huaxiong Wang, and San Ling. Differential attacks against stream cipher ZUC. *Lecture Notes in Computer Science*, 7658:262–277, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_17/.

Lampe:2012:ATS

- [81] Rodolphe Lampe, Jacques Patarin, and Yannick Seurin. An asymptotically tight security analysis of the iterated even-Mansour cipher. *Lecture Notes in Computer Science*, 7658:278–295, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_18/.

Zhang:2012:EMB

- [82] Liting Zhang, Wenling Wu, Han Sui, and Peng Wang. 3kf9: Enhancing 3GPP-MAC beyond the birthday bound. *Lecture Notes in Computer Science*, 7658:296–312, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_19/.

Jetchev:2012:UAR

- [83] Dimitar Jetchev, Onur Özen, and Martijn Stam. Understanding adaptivity: Random systems revisited. *Lecture Notes in Computer Science*, 7658:313–330, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34961-4_20/.

Anonymous:2012:FMd

- [84] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7658:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34961-4/1>.

Amir:2012:DAP

- [85] Amihoud Amir, Alberto Apostolico, and Estrella Eisenberg. Detecting approximate periodic patterns. *Lecture Notes in Computer Science*, 7659:1–12, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_1/.

Ballard:2012:GEA

- [86] Grey Ballard, James Demmel, and Olga Holtz. Graph expansion analysis for communication costs of fast rectangular matrix multiplication. *Lecture Notes in Computer Science*, 7659:13–36, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_2/.

Bansal:2012:MRE

- [87] Nikhil Bansal, Anupam Gupta, and Ravishankar Krishnaswamy. Multicast routing for energy minimization using speed scaling. *Lecture Notes in Computer Science*, 7659:37–51, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_3/.

Baram:2012:RMT

- [88] Guy Baram and Tami Tamir. Reoptimization of the minimum total flow-time scheduling problem. *Lecture Notes in Computer Science*, 7659:52–66, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_4/.

Barcelo:2012:EEC

- [89] Neal Barcelo, Miao Zhou, Daniel Cole, and Michael Nugent. Energy efficient caching for phase-change memory. *Lecture Notes in Computer Science*, 7659:67–81, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_5/.

Barcelo:2012:SET

- [90] Neal Barcelo, Sungjin Im, Benjamin Moseley, and Kirk Pruhs. Shortest-elapsed-time-first on a multiprocessor. *Lecture Notes in Computer Science*, 7659:82–92, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_6/.

Batz:2012:ERC

- [91] Gernot Veit Batz, Robert Geisberger, and Dennis Luxen. Efficient route compression for hybrid route planning. *Lecture Notes in Computer Science*, 7659:93–107, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_7/.

Chechik:2012:MSF

- [92] Shiri Chechik, Quentin Godfroy, and David Peleg. Multipath spanners via fault-tolerant spanners. *Lecture Notes in Computer Science*, 7659:108–119, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_8/.

Chopin:2012:CTC

- [93] Morgan Chopin, André Nichterlein, and Rolf Niedermeier. Constant thresholds can make target set selection tractable. *Lecture Notes in Computer Science*, 7659:120–133, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_9/.

Cunial:2012:FVC

- [94] Fabio Cunial. Faster variance computation for patterns with gaps. *Lecture Notes in Computer Science*, 7659:134–147, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_10/.

DAngelo:2012:ECD

- [95] Gianlorenzo D’Angelo and Mattia D’Emidio. Enhancing the computation of distributed shortest paths on real dynamic networks. *Lecture Notes in Computer Science*, 7659:148–158, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_11/.

Doerr:2012:EAR

- [96] Benjamin Doerr, Mahmoud Fouz, and Tobias Friedrich. Experimental analysis of rumor spreading in social networks. *Lecture Notes in Computer Science*, 7659:159–173, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_12/.

ElOuali:2012:RAA

- [97] Mourad El Ouali, Helena Fohlin, and Anand Srivastav. A randomised approximation algorithm for the partial vertex cover problem in hypergraphs. *Lecture Notes in Computer Science*, 7659:174–187, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_13/.

Fuchs:2012:SBA

- [98] Fabian Fuchs, Markus Völker, and Dorothea Wagner. Simulation-based analysis of topology control algorithms for wireless ad hoc networks. *Lecture Notes in Computer Science*, 7659:188–202, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_14/.

Goodrich:2012:COD

- [99] Michael T. Goodrich and Daniel S. Hirschberg. Cache-oblivious dictionaries and multimaps with negligible failure probability. *Lecture Notes in Computer Science*, 7659:203–218, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_15/.

Gorke:2012:EGC

- [100] Robert Görke, Roland Kluge, and Andrea Schumm. An efficient generator for clustered dynamic random networks. *Lecture Notes in Computer Science*, 7659:219–233, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_16/.

Kling:2012:SSP

- [101] Peter Kling and Andreas Cord-Landwehr. Slow down and sleep for profit in online deadline scheduling. *Lecture Notes in Computer Science*, 7659:234–247, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_17/.

Kogan:2012:FQP

- [102] Kirill Kogan and Alejandro López-Ortiz. FIFO queueing policies for packets with heterogeneous processing. *Lecture Notes in Computer Science*, 7659:248–260, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34862-4_18/.

Anonymous:2012:BMa

- [103] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7659: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-34862-4/1>.

Anonymous:2012:FMe

- [104] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7659: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34862-4/1>.

Moio:2012:ATA

- [105] Andrea Moio, Attilio Giordana, and Dino Mendola. An anti-tampering algorithm based on an artificial intelligence approach. *Lecture Notes in Computer Science*, 7661:1–10, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_1/.

Rauch:2012:DKD

- [106] Jan Rauch. Domain knowledge and data mining with association rules — a logical point of view. *Lecture Notes in Computer Science*, 7661:11–20, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_2/.

Betlinski:2012:PFS

- [107] Paweł Betliński and Dominik Ślęzak. The problem of finding the sparsest Bayesian network for an input data set is NP-Hard. *Lecture Notes in Computer Science*, 7661:21–30, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_3/.

Fournier-Viger:2012:MTN

- [108] Philippe Fournier-Viger and Vincent S. Tseng. Mining top- K non-redundant association rules. *Lecture Notes in Computer Science*, 7661:31–40, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_4/.

Guid:2012:AKR

- [109] Matej Guid, Martin Možina, Vida Groznik, Dejan Georgiev, and Aleksander Sadikov. ABML knowledge refinement loop: a case study. *Lecture*

Notes in Computer Science, 7661:41–50, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_5/.

Lavergne:2012:MMI

- [110] Jennifer Lavergne, Ryan Benton, and Vijay V. Raghavan. Min-max itemset trees for dense and categorical datasets. *Lecture Notes in Computer Science*, 7661:51–60, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_6/.

Lavergne:2012:TRT

- [111] Jennifer Lavergne, Ryan Benton, and Vijay V. Raghavan. TRARM-RelSup: Targeted rare association rule mining using itemset trees and the relative support measure. *Lecture Notes in Computer Science*, 7661:61–70, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_7/.

Tsumoto:2012:IRI

- [112] Shusaku Tsumoto and Shoji Hirano. Incremental rules induction method based on three rule layers. *Lecture Notes in Computer Science*, 7661:71–80, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_8/.

Ammar:2012:RRP

- [113] Asma Ammar, Zied Elouedi, and Pawan Lingras. RPKM: The rough possibilistic K -modes. *Lecture Notes in Computer Science*, 7661:81–86, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_9/.

Kohout:2012:EEO

- [114] Jan Kohout and Roman Neruda. Exploration and exploitation operators for genetic graph clustering algorithm. *Lecture Notes in Computer Science*, 7661:87–92, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_10/.

Clark:2012:LPA

- [115] Patrick G. Clark, Jerzy W. Grzymala-Busse, and Martin Kuehnhausen. Local probabilistic approximations for incomplete data. *Lecture Notes*

in *Computer Science*, 7661:93–98, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_11/.

Andruszkiewicz:2012:RBR

- [116] Piotr Andruszkiewicz. On the relations between retention replacement, additive perturbation, and randomisations for nominal attributes in privacy preserving data mining. *Lecture Notes in Computer Science*, 7661: 99–104, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_12/.

Ghosh:2012:DSE

- [117] Sujata Ghosh, Thiri Haymar Kyaw, and Rineke Verbrugge. Decision support for extensive form negotiation games. *Lecture Notes in Computer Science*, 7661:105–114, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_13/.

Meng:2012:IAF

- [118] Yuxin Meng, Wenjuan Li, and Lam for Kwok. Intelligent alarm filter using knowledge-based alert verification in network intrusion detection. *Lecture Notes in Computer Science*, 7661:115–124, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_14/.

Gao:2012:CBM

- [119] Chao Gao and Jiming Liu. Clustering-based media analysis for understanding human emotional reactions in an extreme event. *Lecture Notes in Computer Science*, 7661:125–135, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_15/.

Pestana:2012:EDA

- [120] Gabriel Pestana, Joachim Metter, Sebastian Heuchler, and Pedro Reis. An event-driven architecture for spatio-temporal surveillance of business activities. *Lecture Notes in Computer Science*, 7661:136–142, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_16/.

Brocki:2012:MMT

- [121] Łukasz Brocki, Krzysztof Marasek, and Danijel Koržinek. Multiple model text normalization for the Polish language. *Lecture Notes in Computer*

Science, 7661:143–148, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_17/.

Punuru:2012:DSR

- [122] Janardhana Punuru and Jianhua Chen. Discovering semantic relations using prepositional phrases. *Lecture Notes in Computer Science*, 7661: 149–154, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_18/.

Wroblewska:2012:DDB

- [123] Alina Wróblewska and Marcin Sydow. DEBORA: Dependency-based method for extracting entity-relationship triples from open-domain texts in Polish. *Lecture Notes in Computer Science*, 7661:155–161, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_19/.

Protaziuk:2012:LOL

- [124] Grzegorz Protaziuk, Anna Wróblewska, Robert Bembenik, and Henryk Rybiński. Lexical ontology layer — a bridge between text and concepts. *Lecture Notes in Computer Science*, 7661:162–171, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34624-8_20/.

Anonymous:2012:FMf

- [125] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7661: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34624-8/1>.

Xiao:2012:DSNa

- [126] Lu Xiao and Ming Fan. Does social network always promote entrepreneurial intentions? Part I: Theoretical model. *Lecture Notes in Computer Science*, 7663:1–7, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_1/.

Feroz:2012:AAH

- [127] Samreen Feroz, Amatal Habib, Maryam Siddiqua, Sobia Saleem, and Nisar Ahmed Shar. Association of anti-histamine drugs with brain tumor. *Lecture Notes in Computer Science*, 7663:8–15, 2012. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_2/.

Zhu:2012:EPP

- [128] Qiuyu Zhu. Estimating principal point and nonlinear parameters of camera from a planar calibration image. *Lecture Notes in Computer Science*, 7663:16–24, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_3/.

Arora:2012:DDI

- [129] Vipul Arora and Laxmidhar Behera. Design of distribution independent noise filters with online PDF estimation. *Lecture Notes in Computer Science*, 7663:25–32, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_4/.

Wu:2012:DEC

- [130] Xia Wu, Juan Li, and Li Yao. Determining effective connectivity from fMRI data using a Gaussian dynamic Bayesian network. *Lecture Notes in Computer Science*, 7663:33–39, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_5/.

Radwan:2012:TTF

- [131] A. G. Radwan and Ahmed S. Elwakil. Transient-time fractional-space trigonometry and application. *Lecture Notes in Computer Science*, 7663:40–47, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_6/.

Wickramasinghe:2012:UIP

- [132] Manjusri Wickramasinghe, Jayantha Rajapakse, and Daminda Alahakoon. Understanding individual play sequences using growing self organizing maps. *Lecture Notes in Computer Science*, 7663:48–55, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_7/.

Almaadeed:2012:AVF

- [133] Noor Almaadeed, Amar Aggoun, and Abbas Amira. Audio-visual feature fusion for speaker identification. *Lecture Notes in Computer Science*, 7663:56–67, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_8/.

Kang:2012:DCS

- [134] Xiaoxu Kang, Marc Schieber, and Nitish V. Thakor. Decoding cognitive states from neural activities of somatosensory cortex. *Lecture Notes in Computer Science*, 7663:68–75, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_9/.

Neokleous:2012:CMD

- [135] Kleanthis C. Neokleous, Marios N. Avraamides, Costas K. Neocleous, and Christos N. Schizas. Cognitive modeling of dilution effects in visual search. *Lecture Notes in Computer Science*, 7663:76–83, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_10/.

Mumtaz:2012:CAE

- [136] Wajid Mumtaz, Likun Xia, Aamir Saeed Malik, and Mohd Azhar Mohd Yasin. Complexity analysis of EEG data during rest state and visual stimulus. *Lecture Notes in Computer Science*, 7663:84–91, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_11/.

Al-Ani:2012:AAS

- [137] Ahmed Al-Ani, Bram Van Dun, Harvey Dillon, and Alaleh Rabie. Analysis of alertness status of subjects undergoing the cortical auditory evoked potential hearing test. *Lecture Notes in Computer Science*, 7663:92–99, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_12/.

Kaur:2012:PFU

- [138] Preetinder Kaur, Madhu Goyal, and Jie Lu. Price forecasting using dynamic assessment of market conditions and Agent’s bidding behavior. *Lecture Notes in Computer Science*, 7663:100–108, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_13/.

Kanamori:2012:NCO

- [139] Takafumi Kanamori and Akiko Takeda. Non-convex optimization on Stiefel manifold and applications to machine learning. *Lecture Notes in*

Computer Science, 7663:109–116, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_14/.

Dinu:2012:LPD

- [140] Liviu Petrisor Dinu, Radu-Tudor Ionescu, and Marius Popescu. Local patch dissimilarity for images. *Lecture Notes in Computer Science*, 7663:117–126, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_15/.

Zhang:2012:NOC

- [141] Dehua Zhang, Derong Liu, and Qinglai Wei. Nearly optimal control for nonlinear systems with dead-zone control input based on the iterative ADP approach. *Lecture Notes in Computer Science*, 7663:127–134, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_16/.

Benkhider:2012:MAK

- [142] Sadjia Benkhider, Oualid Dahmri, and Habiba Drias. A memetic approach for the knowledge extraction. *Lecture Notes in Computer Science*, 7663:135–141, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_17/.

Liu:2012:DNC

- [143] Xiaohua Liu, Haoran Liang, Haiwei Dong, and Nikolaos Mavridis. Development of a novel conversational calculator based on remote online computation. *Lecture Notes in Computer Science*, 7663:142–151, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_18/.

Hassan:2012:LFA

- [144] Saima Hassan, Abbas Khosravi, Jafreezal Jaafar, and Samir B. Belhaouari. Load forecasting accuracy through combination of trimmed forecasts. *Lecture Notes in Computer Science*, 7663:152–159, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_19/.

Szymanski:2012:SOM

- [145] Julian Szymański and Włodzisław Duch. Self organizing maps for visualization of categories. *Lecture Notes in Computer Science*, 7663:

160–167, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34475-6_20/.

Anonymous:2012:FMg

- [146] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7663: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34475-6/1>.

Mezzoudj:2012:OMS

- [147] Freha Mezzoudj and Assia Benyettou. On the optimization of multiclass support vector machines dedicated to speech recognition. *Lecture Notes in Computer Science*, 7664:1–8, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_1/.

Guo:2012:TSP

- [148] Yangming Guo, Xiaolei Li, Guanghan Bai, and Jiezhong Ma. Time series prediction method based on LS-SVR with modified Gaussian RBF. *Lecture Notes in Computer Science*, 7664:9–17, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_2/.

Wang:2012:IMI

- [149] Ran Wang, Guoyou Wang, Zhong Chen, Jianguo Liu, and Yu Shi. An improved method of identification based on thermal palm vein image. *Lecture Notes in Computer Science*, 7664:18–24, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_3/.

Safa:2012:MEU

- [150] Majeed Safa and Sandhya Samarasinghe. Modelling energy use and fuel consumption in wheat production using indirect factors and artificial neural networks. *Lecture Notes in Computer Science*, 7664:25–32, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_4/.

Tariq:2012:GMM

- [151] Anam Tariq, Arslan Shaukat, and Shoab A. Khan. A Gaussian mixture model based system for detection of macula in fundus images. *Lecture Notes in Computer Science*, 7664:33–40, 2012. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_5/.

Brosch:2012:BSP

- [152] Tobias Brosch and Heiko Neumann. The Brain's sequential parallelism: Perceptual decision-making and early sensory responses. *Lecture Notes in Computer Science*, 7664:41–50, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_6/.

Koyama:2012:ENF

- [153] Shinsuke Koyama. Estimating neural firing rates: An empirical Bayes approach. *Lecture Notes in Computer Science*, 7664:51–59, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_7/.

Sanchez:2012:AFR

- [154] Jose Salvador Sánchez, Vicente García, and Ana Isabel Marqués. Assessment of financial risk prediction models with multi-criteria decision making methods. *Lecture Notes in Computer Science*, 7664:60–67, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_8/.

Garcia:2012:IRP

- [155] Vicente García, Ana Isabel Marqués, and Jose Salvador Sánchez. Improving risk predictions by preprocessing imbalanced credit data. *Lecture Notes in Computer Science*, 7664:68–75, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_9/.

Slim:2012:HVH

- [156] Mohamed Aymen Slim, Maroua El Kastouri, Afef Abdelkrim, and Mohamed Benrejeb. Hybrid validation of handwriting process modelling. *Lecture Notes in Computer Science*, 7664:76–84, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_10/.

Alalshekmubarak:2012:LHA

- [157] Abdulrahman Alalshekmubarak, Amir Hussain, and Qiu-Feng Wang. Off-line handwritten Arabic word recognition using SVMs with normalized poly kernel. *Lecture Notes in Computer Science*, 7664:85–91,

2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_11/.

Xu:2012:BMV

- [158] Jinhua Xu. Bayesian modeling of visual attention. *Lecture Notes in Computer Science*, 7664:92–99, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_12/.

Yin:2012:CEU

- [159] Xu-Cheng Yin, Kaizhu Huang, Hong-Wei Hao, Khalid Iqbal, and Zhi-Bin Wang. Classifier ensemble using a heuristic learning with sparsity and diversity. *Lecture Notes in Computer Science*, 7664:100–107, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_13/.

Mitsuishi:2012:OSF

- [160] Takashi Mitsuishi, Takanori Terashima, and Yasunari Shidama. Optimization of SIRMs fuzzy model using Łukasiewicz logic. *Lecture Notes in Computer Science*, 7664:108–116, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_14/.

Mahdavi:2012:SHL

- [161] Nariman Mahdavi and Jürgen Kurths. Synchronization of Hopfield like chaotic neural networks with structure based learning. *Lecture Notes in Computer Science*, 7664:117–124, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_15/.

Papliński:2012:ISO

- [162] Andrew P. Papliński. Incremental self-organizing map (iSOM) in categorization of visual objects. *Lecture Notes in Computer Science*, 7664:125–132, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_16/.

Cohen:2012:ENV

- [163] Dror Cohen and Andrew P. Papliński. The elastic net as visual category representation: Visualisation and classification. *Lecture Notes in*

Computer Science, 7664:133–140, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_17/.

Naze:2012:CMD

- [164] Sebastien Naze and Jan Treur. A computational model for development of post-traumatic stress disorders by Hebbian learning. *Lecture Notes in Computer Science*, 7664:141–151, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_18/.

Samura:2012:PLS

- [165] Toshikazu Samura, Yasuomi D. Sato, Yuji Ikegaya, Hatsuo Hayashi, and Takeshi Aihara. Power-law scaling of synchronization robustly reproduced in the hippocampal CA3 Slice culture model with small-world topology. *Lecture Notes in Computer Science*, 7664:152–159, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_19/.

Jamalabadi:2012:DBI

- [166] Hamidreza Jamalabadi, Hossein Nasrollahi, Majid Nili Ahmadabadi, and Babak Nadjar Araabi. A dynamic bio-inspired model of categorization. *Lecture Notes in Computer Science*, 7664:160–167, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34481-7_20/.

Anonymous:2012:FMh

- [167] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7664:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34481-7/1>.

Sang:2012:CNN

- [168] Do-Thanh Sang, Dong-Min Woo, and Dong-Chul Park. Centroid neural network with simulated annealing and its application to color image segmentation. *Lecture Notes in Computer Science*, 7665:1–8, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_1/.

Awad:2012:ENL

- [169] Ali Awad. Efficient non-linear filter for impulse noise removal in document images. *Lecture Notes in Computer Science*, 7665:9–16, 2012. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_2/.

Bouaziz:2012:EFB

- [170] Souhir Bouaziz, Habib Dhahri, and Adel M. Alimi. Evolving flexible Beta operator neural trees (FBONT) for time series forecasting. *Lecture Notes in Computer Science*, 7665:17–24, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_3/.

Fan:2012:NLF

- [171] Wentao Fan and Nizar Bouguila. Nonparametric localized feature selection via a Dirichlet process mixture of generalized Dirichlet distributions. *Lecture Notes in Computer Science*, 7665:25–33, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_4/.

Treerattanapitak:2012:GAF

- [172] Kiaticchai Treerattanapitak and Chuleerat Jaruskulchai. Generalized agglomerative fuzzy clustering. *Lecture Notes in Computer Science*, 7665:34–41, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_5/.

Liu:2012:NSA

- [173] Ming Liu, Lei Lin, Lili Shan, and Chengjie Sun. A novel self-adaptive clustering algorithm for dynamic data. *Lecture Notes in Computer Science*, 7665:42–49, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_6/.

Li:2012:ISS

- [174] Chaojie Li, David Yang Gao, and Chao Liu. Impulsive synchronization of state delayed discrete complex networks with switching topology. *Lecture Notes in Computer Science*, 7665:50–57, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_7/.

Yuan:2012:SIS

- [175] Liming Yuan, Songbo Liu, Qingcheng Huang, Jiafeng Liu, and Xianglong Tang. Salient instance selection for multiple-instance learning. *Lecture Notes in Computer Science*, 7665:58–67, 2012. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_8/.

Qingfeng:2012:MRM

- [176] Meng Qingfeng, Du Jianguo, and Li Zhen. Motivating retail marketing efforts under fairness concerns in small-world networks: a multi-agent simulation. *Lecture Notes in Computer Science*, 7665:68–75, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_9/.

Gong:2012:AVG

- [177] Dunwei Gong, Jian Chen, Xiaoyan Sun, and Yong Zhang. Application of variational granularity language sets in interactive genetic algorithms. *Lecture Notes in Computer Science*, 7665:76–83, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_10/.

Yokota:2012:LPC

- [178] Tatsuya Yokota, Andrzej Cichocki, and Yukihiko Yamashita. Linked PARAFAC/CP tensor decomposition and its fast implementation for multi-block tensor analysis. *Lecture Notes in Computer Science*, 7665:84–91, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_11/.

Xie:2012:HSI

- [179] Gang Xie, Hong-Bo Guo, Yu-Chu Tian, and Maolin Tang. A human-simulated immune evolutionary computation approach. *Lecture Notes in Computer Science*, 7665:92–99, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_12/.

Zhenwei:2012:SBM

- [180] Lu Zhenwei, Zhao Lingling, Su Xiaohong, and Ma Peijun. A STPHD-based multi-sensor fusion method. *Lecture Notes in Computer Science*, 7665:100–107, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_13/.

Hara:2012:GSI

- [181] Satoshi Hara and Takashi Washio. Group sparse inverse covariance selection with a dual augmented Lagrangian method. *Lecture Notes in*

Computer Science, 7665:108–115, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_14/.

Liu:2012:MOL

- [182] Yinglu Liu, Xu-Yao Zhang, Kaizhu Huang, Xinwen Hou, and Cheng-Lin Liu. Multiple outlooks learning with support vector machines. *Lecture Notes in Computer Science*, 7665:116–124, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_15/.

Srijith:2012:MTL

- [183] P. K. Srijith and Shirish Shevade. Multi-task learning using shared and task specific information. *Lecture Notes in Computer Science*, 7665:125–132, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_16/.

Eghbali:2012:LAF

- [184] Sepehr Eghbali, Majid Nili Ahmadabadi, Babak Nadjar Araabi, and Maryam Mirian. Learning attentive fusion of multiple Bayesian network classifiers. *Lecture Notes in Computer Science*, 7665:133–140, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_17/.

Talaat:2012:MPL

- [185] Amira Samy Talaat, Amir F. Atiya, Sahar A. Mokhtar, Ahmed Al-Ani, and Magda Fayek. Multiclass penalized likelihood pattern classification algorithm. *Lecture Notes in Computer Science*, 7665:141–148, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_18/.

Plonski:2012:SOM

- [186] Piotr Płoński and Krzysztof Zaremba. Self-organising maps for classification with Metropolis–Hastings algorithm for supervision. *Lecture Notes in Computer Science*, 7665:149–156, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_19/.

Han:2012:DDD

- [187] Yinghua Han, Jinkuan Wang, Qiang Zhao, and Peng Han. Decoupled 2-D DOA estimation algorithm based on cross-correlation matrix for co-

herently distributed source. *Lecture Notes in Computer Science*, 7665: 157–165, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34487-9_20/.

Anonymous:2012:FMi

- [188] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7665: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34487-9/1>.

Popescu:2012:NNL

- [189] Theodor Dan Popescu. Neural network learning for blind source separation with application in dam safety monitoring. *Lecture Notes in Computer Science*, 7666:1–8, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_1/.

Mathews:2012:IBA

- [190] Jayamol Mathews, Madhu S. Nair, and Liza Jo. Improved BTC algorithm for gray scale images using K -means quad clustering. *Lecture Notes in Computer Science*, 7666:9–17, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_2/.

Sulzbachner:2012:ONN

- [191] Christoph Sulzbachner, Martin Humenberger, Ágoston Srp, and Ferenc Vajda. Optimization of a neural network for computer vision based fall detection with fixed-point arithmetic. *Lecture Notes in Computer Science*, 7666:18–26, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_3/.

Tu:2012:CRM

- [192] Yan Tu and Ziji Yang. Customer relationship management using partial focus feature reduction. *Lecture Notes in Computer Science*, 7666: 27–35, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_4/.

Akram:2012:ASG

- [193] Muhammad Usman Akram, Mahmood Akhtar, and M. Younus Javed. An automated system for the grading of diabetic maculopathy in fundus

images. *Lecture Notes in Computer Science*, 7666:36–43, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_5/.

Zou:2012:IMC

- [194] Yun zhi Zou, Xin kun Wu, Wen bin Zhang, and Chang yin Sun. An iterative method for a class of generalized global dynamical system involving fuzzy mappings in Hilbert spaces. *Lecture Notes in Computer Science*, 7666:44–51, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_6/.

Kajornrit:2012:EMP

- [195] Jesada Kajornrit, Kok Wai Wong, and Chun Che Fung. Estimation of missing precipitation records using modular artificial neural networks. *Lecture Notes in Computer Science*, 7666:52–59, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_7/.

Morad:2012:OEA

- [196] Ameer H. Morad. Office employees authentication based on E-exam techniques. *Lecture Notes in Computer Science*, 7666:60–65, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_8/.

Nagesh:2012:OSD

- [197] Karthik Nagesh and M. Narasimha Murty. Obtaining single document summaries using latent Dirichlet allocation. *Lecture Notes in Computer Science*, 7666:66–74, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_9/.

Loo:2012:ORU

- [198] Chu-Kiong Loo and Ali Memariani. Object recognition using sparse representation of overcomplete dictionary. *Lecture Notes in Computer Science*, 7666:75–82, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_10/.

Zheng:2012:PCA

- [199] Jia Zheng, Mengyao Zhu, Junwei He, and Xiaoqing Yu. PEAQ compatible audio quality estimation using computational auditory model. *Lecture Notes in Computer Science*, 7666:83–90, 2012. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_11/.

Dewan:2012:SOC

- [200] Sagar Dewan and Srinivasa Chakravarthy. A system for offline character recognition using auto-encoder networks. *Lecture Notes in Computer Science*, 7666:91–99, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_12/.

Yan:2012:TBB

- [201] Xiaoyan Yan, Bo Liang, Tao Ban, Shanqing Guo, and Liming Wang. TrafficS: a behavior-based network traffic classification benchmark system with traffic sampling functionality. *Lecture Notes in Computer Science*, 7666:100–107, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_13/.

Doush:2012:HSM

- [202] Iyad Abu Doush. Harmony search with multi-parent crossover for solving IEEE-CEC2011 competition problems. *Lecture Notes in Computer Science*, 7666:108–114, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_14/.

Kacalak:2012:NII

- [203] Wojciech Kacalak and Maciej Majewski. New intelligent interactive automated systems for design of machine elements and assemblies. *Lecture Notes in Computer Science*, 7666:115–122, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_15/.

Fu:2012:RSN

- [204] Xiao Fu, Jin Liu, Haopeng Wang, Bin Zhang, and Rui Gao. Rough sets and neural networks based aerial images segmentation method. *Lecture Notes in Computer Science*, 7666:123–131, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_16/.

Ren:2012:FCN

- [205] Shen Ren, Michael Barlow, and Hussein A. Abbass. Frontal cortex neural activities shift cognitive resources away from facial activities in real-time problem solving. *Lecture Notes in Computer Science*, 7666:

132–139, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_17/.

Kim:2012:IRT

- [206] Geon min Kim, Chang hyun Kim, and Soo young Lee. Implement real-time polyphonic pitch detection and feedback system for the melodic instrument player. *Lecture Notes in Computer Science*, 7666:140–147, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_18/.

Kamiura:2012:CIS

- [207] Naotake Kamiura, Ayumu Saitoh, Teijiro Isokawa, Nobuyuki Matsui, and Hitoshi Tabuchi. Classification of interview sheets using self-organizing maps for determination of ophthalmic examinations. *Lecture Notes in Computer Science*, 7666:148–155, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_19/.

Widodo:2012:SBR

- [208] Slamet Widodo, Tomoo Shiigi, Naing Min Than, Yuichi Ogawa, and Naoshi Kondo. Sound-based ranging system in greenhouse environment with multipath effect compensation using artificial neural network. *Lecture Notes in Computer Science*, 7666:156–163, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34478-7_20/.

Anonymous:2012:FMj

- [209] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7666:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34478-7/1>.

Xiao:2012:DSNb

- [210] Lu Xiao and Ming Fan. Does social network always promote entrepreneurial intentions? Part II: Empirical analysis. *Lecture Notes in Computer Science*, 7667:1–8, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_1/.

Wang:2012:RSM

- [211] Xuzhi Wang, Yangyang Jia, Xiang Feng, Shuai Yu, and Hengyong Jiang. Rasterization system for mobile device. *Lecture Notes in Computer Sci-*

ence, 7667:9–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_2/.

Wang:2012:SRA

- [212] Xuzhi Wang, Wei Xiong, Xiang Feng, Shuai Yu, and Hengyong Jiang. Study on rasterization algorithm for graphics acceleration system. *Lecture Notes in Computer Science*, 7667:17–24, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_3/.

Ito:2012:SLS

- [213] Yoshifusa Ito, Hiroyuki Izumi, and Cidambi Srinivasan. Simultaneous learning of several Bayesian and Mahalanobis discriminant functions by a neural network with memory nodes. *Lecture Notes in Computer Science*, 7667:25–33, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_4/.

Sluzek:2012:RKM

- [214] Andrzej Śluzek, Mariusz Paradowski, and Duanduan Yang. Reinforcement of keypoint matching by co-segmentation in object retrieval: Face recognition case study. *Lecture Notes in Computer Science*, 7667:34–41, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_5/.

Kudo:2012:ELG

- [215] Hiroaki Kudo, Takuya Kume, and Noboru Ohnishi. Effect of luminance gradients in measurement of differential limen. *Lecture Notes in Computer Science*, 7667:42–49, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_6/.

Huang:2012:RCF

- [216] Weicheng Huang, Shuichi Kurogi, and Takeshi Nishida. Robust controller for flexible specifications using difference signals and competitive associative nets. *Lecture Notes in Computer Science*, 7667:50–58, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_7/.

Ono:2012:MPD

- [217] Kohei Ono, Shuichi Kurogi, and Takeshi Nishida. Moments of predictive deviations for ensemble diversity measures to estimate the performance of time series prediction. *Lecture Notes in Computer Science*, 7667:59–66, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_8/.

Morita:2012:SOT

- [218] Satoru Morita. Self-organized three dimensional feature extraction of MRI and CT. *Lecture Notes in Computer Science*, 7667:67–74, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_9/.

Yao:2012:OBC

- [219] Yao Yao, Xin Xin, and Ping Guo. OMP or BP? A comparison study of image fusion based on joint sparse representation. *Lecture Notes in Computer Science*, 7667:75–82, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_10/.

Yan:2012:IAS

- [220] P. M. Yan, Meng Yang, Hui Huang, and J. F. Li. An improved approach to super resolution based on PET imaging. *Lecture Notes in Computer Science*, 7667:83–90, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_11/.

Wang:2012:PAC

- [221] Zhi-Bin Wang, Hong-Wei Hao, Yan Li, Xu-Cheng Yin, and Shu Tian. Pedestrian analysis and counting system with videos. *Lecture Notes in Computer Science*, 7667:91–99, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_12/.

Zhao:2012:VLP

- [222] Ya Zhao and Xiaodong Gu. Vehicle license plate localization and license number recognition using unit-linking pulse coupled neural network. *Lecture Notes in Computer Science*, 7667:100–108, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_13/.

Zhou:2012:RHL

- [223] Shenghui Zhou, Qing Liu, Jianming Guo, and Yuanyuan Jiang. ROI-HOG and LBP based human detection via shape part-templates matching. *Lecture Notes in Computer Science*, 7667:109–115, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_14/.

Cancelliere:2012:MPI

- [224] Rossella Cancelliere, Mario Gai, Thierry Artières, and Patrick Gallinari. Matrix pseudoinversion for image neural processing. *Lecture Notes in Computer Science*, 7667:116–125, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_15/.

Mattner:2012:LSB

- [225] Jan Mattner, Sascha Lange, and Martin Riedmiller. Learn to swing up and balance a real pole based on raw visual input data. *Lecture Notes in Computer Science*, 7667:126–133, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_16/.

Lo:2012:GBB

- [226] Alan W. Y. Lo, Benben Liu, and Ray C. C. Cheung. GPU-based bi-clustering for neural information processing. *Lecture Notes in Computer Science*, 7667:134–141, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_17/.

Sima:2012:CIS

- [227] Haifeng Sima, Lixiong Liu, and Ping Guo. Color image segmentation based on regional saliency. *Lecture Notes in Computer Science*, 7667:142–150, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_18/.

Wong:2012:MCD

- [228] Man To Wong, Xiangjian He, Hung Nguyen, and Wei-Chang Yeh. Mass classification in digitized mammograms using texture features and artificial neural network. *Lecture Notes in Computer Science*, 7667:151–158, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_19/.

Hu:2012:IDA

- [229] Zhongyi Hu, Qing Liu, Shenghui Zhou, Mingjing Huang, and Fei Teng. Image dehazing algorithm based on atmosphere scatters approximation model. *Lecture Notes in Computer Science*, 7667:159–168, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34500-5_20/.

Anonymous:2012:FMk

- [230] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7667:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34500-5/1>.

Vaikuntanathan:2012:HCE

- [231] Vinod Vaikuntanathan. How to compute on encrypted data. *Lecture Notes in Computer Science*, 7668:1–15, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_1/.

Dunkelman:2012:MEK

- [232] Orr Dunkelman. From multiple encryption to knapsacks — efficient dissection of composite problems. *Lecture Notes in Computer Science*, 7668:16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-34931-7_2.

Kleinjung:2012:UCD

- [233] Thorsten Kleinjung, Arjen K. Lenstra, Dan Page, and Nigel P. Smart. Using the cloud to determine key strengths. *Lecture Notes in Computer Science*, 7668:17–39, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_3/.

Maji:2012:UCC

- [234] Hemanta K. Maji, Manoj Prabhakaran, and Mike Rosulek. A unified characterization of completeness and triviality for secure function evaluation. *Lecture Notes in Computer Science*, 7668:40–59, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_4/.

Faust:2012:NMF

- [235] Sebastian Faust, Markulf Kohlweiss, Giorgia Azzurra Marson, and Daniele Venturi. On the non-malleability of the Fiat–Shamir transform. *Lecture*

Notes in Computer Science, 7668:60–79, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_5/.

Maitra:2012:ALS

- [236] Arpita Maitra and Goutam Paul. Another look at symmetric incoherent optimal eavesdropping against BB84. *Lecture Notes in Computer Science*, 7668:80–99, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_6/.

Ganesh:2012:LLL

- [237] Chaya Ganesh, Vipul Goyal, and Satya Lokam. On-line/off-line leakage resilient secure computation protocols. *Lecture Notes in Computer Science*, 7668:100–119, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_7/.

Carlet:2012:LSO

- [238] Claude Carlet, Jean-Luc Danger, Sylvain Guilley, and Houssein Maghrebi. Leakage squeezing of order two. *Lecture Notes in Computer Science*, 7668:120–139, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_8/.

Clavier:2012:RST

- [239] Christophe Clavier, Benoit Feix, Georges Gagnerot, Christophe Giraud, and Mylène Roussellet. ROSETTA for single trace analysis. *Lecture Notes in Computer Science*, 7668:140–155, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_9/.

Lamberger:2012:CAH

- [240] Mario Lamberger, Florian Mendel, and Vincent Rijmen. Collision attack on the Hamsi-256 compression function. *Lecture Notes in Computer Science*, 7668:156–171, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_10/.

Kortelainen:2012:GIH

- [241] Tuomas Kortelainen, Ari Vesanen, and Juha Kortelainen. Generalized iterated hash functions revisited: New complexity bounds for multicollision attacks. *Lecture Notes in Computer Science*, 7668:172–190, 2012. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_11/.

Banik:2012:DFA

- [242] Subhadeep Banik, Subhamoy Maitra, and Santanu Sarkar. A differential fault attack on the grain family under reasonable assumptions. *Lecture Notes in Computer Science*, 7668:191–208, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_12/.

Berger:2012:CPR

- [243] Thierry P. Berger and Marine Minier. Cryptanalysis of pseudo-random generators based on vectorial FCSRs. *Lecture Notes in Computer Science*, 7668:209–224, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_13/.

Derbez:2012:FCK

- [244] Patrick Derbez, Pierre-Alain Fouque, and Jérémy Jean. Faster chosen-key distinguishers on reduced-round AES. *Lecture Notes in Computer Science*, 7668:225–243, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_14/.

Lu:2012:HOM

- [245] Jiqiang Lu, Yongzhuang Wei, Jongsung Kim, and Enes Pasalic. The higher-order meet-in-the-middle attack and its application to the Camellia block cipher. *Lecture Notes in Computer Science*, 7668:244–264, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_15/.

Sasaki:2012:DSW

- [246] Yu Sasaki. Double-SP is weaker than single-SP: Rebound attacks on Feistel ciphers with several rounds. *Lecture Notes in Computer Science*, 7668:265–282, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_16/.

Wu:2012:AST

- [247] Shengbao Wu and Mingsheng Wang. Automatic search of truncated impossible differentials for word-oriented block ciphers. *Lecture Notes in*

Computer Science, 7668:283–302, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_17/.

Kim:2012:HSP

- [248] Jung Woo Kim, Jungjoo Seo, Jin Hong, Kunsoo Park, and Sung-Ryul Kim. High-speed parallel implementations of the rainbow method in a heterogeneous system. *Lecture Notes in Computer Science*, 7668:303–316, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_18/.

Bernstein:2012:CSD

- [249] Daniel J. Bernstein and Tanja Lange. Computing small discrete logarithms faster. *Lecture Notes in Computer Science*, 7668:317–338, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_19/.

vonMaurich:2012:ESB

- [250] Ingo von Maurich and Tim Güneysu. Embedded syndrome-based hashing. *Lecture Notes in Computer Science*, 7668:339–357, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34931-7_20/.

Anonymous:2012:FMI

- [251] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7668:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34931-7/1>.

Li:2012:AIP

- [252] Mi Li, Dongning Han, Shengfu Lu, Zheng Liu, and Ning Zhong. Associative information processing in parahippocampal place area (PPA): An fMRI study. *Lecture Notes in Computer Science*, 7670:1–9, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_1/.

Tian:2012:LAO

- [253] Qingyuan Tian. Language acquisition is an optimized process balanced between holistic and compositive. *Lecture Notes in Computer Science*, 7670:10–17, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349

(electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_2/.

Lou:2012:ORT

- [254] Chin Ian Lou, Daria Migotina, Joao P. Rodrigues, Joao Semedo, Feng Wan, and Peng Un Mak. Object recognition test in peripheral vision: a study on the influence of object color, pattern and shape. *Lecture Notes in Computer Science*, 7670:18–26, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_3/.

Fan:2012:BLA

- [255] Sanxia Fan, Xuyan Wang, Zhizhou Liao, Zhoujun Long, Haiyan Zhou, and Yulin Qin. Basic level advantage during information retrieval: An ERP study. *Lecture Notes in Computer Science*, 7670:27–37, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_4/.

Long:2012:SLD

- [256] Zhoujun Long, Xuyan Wang, Xiangsheng Shen, Sanxia Fan, Haiyan Zhou, and Yulin Qin. A skill learning during heuristic problem solving: An fMRI study. *Lecture Notes in Computer Science*, 7670:38–49, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_5/.

Wang:2012:RCL

- [257] Xuyan Wang, Zhoujun Long, Sanxia Fan, Weiyan Yu, Haiyan Zhou, and Yulin Qin. The role of category label in adults’ inductive reasoning. *Lecture Notes in Computer Science*, 7670:50–60, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_6/.

Ueyama:2012:EVF

- [258] Yuki Ueyama and Eizo Miyashita. Estimation of visual feedback contribution to limb stiffness in visuomotor control. *Lecture Notes in Computer Science*, 7670:61–72, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_7/.

Zhou:2012:RAP

- [259] Haiyan Zhou, Yukun Xiong, Zhoujun Long, Sanxia Fan, Xuyan Wang, Yulin Qin, and Ning Zhong. Rule acquisition in the proceeding of heuristic Sudoku solving. *Lecture Notes in Computer Science*, 7670:

73–84, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_8/.

Mohammed:2012:BNT

- [260] Redwan Abdo A. Mohammed, Samah Abdulfatah Mohammed, and Lars Schwabe. BatGaze: a new tool to measure depth features at the center of gaze during free viewing. *Lecture Notes in Computer Science*, 7670:85–96, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_9/.

Mohammed:2012:BIA

- [261] Redwan Abdo A. Mohammed and Lars Schwabe. A brain informatics approach to explain the oblique effect via depth statistics. *Lecture Notes in Computer Science*, 7670:97–106, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_10/.

Aziz:2012:AMT

- [262] Azizi Ab Aziz, Faudziah Ahmad, and Houzifa M. Hintaya. An agent model for temporal dynamics analysis of a person with chronic fatigue syndrome. *Lecture Notes in Computer Science*, 7670:107–118, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_11/.

Wang:2012:NHM

- [263] Zhijiang Wang, Jiming Liu, Ning Zhong, Yulin Qin, Haiyan Zhou, Jian Yang, and Kuncheng Li. A naïve hypergraph model of brain networks. *Lecture Notes in Computer Science*, 7670:119–129, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_12/.

Choi:2012:EIP

- [264] Do Young Choi, Kun Chang Lee, and Seong Wook Chae. The effect of individual psychological characteristics on creativity revelation: Emphasis with psychological empowerment and intrinsic motivation. *Lecture Notes in Computer Science*, 7670:130–139, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_13/.

Ryjov:2012:MOI

- [265] Alexander Ryjov. Modeling and optimization of information retrieval for perception-based information. *Lecture Notes in Computer Science*, 7670:140–149, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_14/.

Chen:2012:SPD

- [266] Yu-Wen Chen and Hsing Mei. Sleep physiological dynamics simulation with fuzzy set. *Lecture Notes in Computer Science*, 7670:150–161, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_15/.

DellArciprete:2012:PBM

- [267] Lorenzo Dell’Arciprete, Brian Murphy, and Fabio Massimo Zanzotto. Parallels between machine and brain decoding. *Lecture Notes in Computer Science*, 7670:162–174, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_16/.

Ramirez:2012:DEE

- [268] Rafael Ramirez and Zacharias Vamvakousis. Detecting emotion from EEG signals using the emotive epoc device. *Lecture Notes in Computer Science*, 7670:175–184, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_17/.

Zhu:2012:EVG

- [269] Guohun Zhu, Yan Li, and Peng Paul Wen. An efficient visibility graph similarity algorithm and its application on sleep stages classification. *Lecture Notes in Computer Science*, 7670:185–195, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_18/.

Chou:2012:ITB

- [270] Chun-An Chou, Kittipat “Bot” Kampa, Sonya H. Mehta, and Rosalia F. Tugaraza. Information-theoretic based feature selection for multi-voxel pattern analysis of fMRI data. *Lecture Notes in Computer Science*, 7670:196–208, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_19/.

Atyabi:2012:MES

- [271] Adham Atyabi, Sean P. Fitzgibbon, and David M. W. Powers. Multiplication of EEG samples through replicating, biasing, and overlapping. *Lecture Notes in Computer Science*, 7670:209–219, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35139-6_20/.

Anonymous:2012:FMm

- [272] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7670:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-35139-6/1>.

Kruegel:2012:FMS

- [273] Christopher Kruegel. Fighting malicious software. *Lecture Notes in Computer Science*, 7671:1–15, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_1/.

Amrutkar:2012:VMS

- [274] Chaitrali Amrutkar, Kapil Singh, Arunabh Verma, and Patrick Traynor. VulnerableMe: Measuring systemic weaknesses in mobile browser security. *Lecture Notes in Computer Science*, 7671:16–34, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_2/.

Ojamaa:2012:SAN

- [275] Andres Ojamaa and Karl D uuna. Security assessment of node.js platform. *Lecture Notes in Computer Science*, 7671:35–43, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_3/.

Naldurg:2012:FDA

- [276] Prasad Naldurg. Foundations of dynamic access control. *Lecture Notes in Computer Science*, 7671:44–58, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_4/.

Bijon:2012:RAR

- [277] Khalid Zaman Bijon, Ram Krishnan, and Ravi Sandhu. Risk-aware RBAC sessions. *Lecture Notes in Computer Science*, 7671:59–74, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_5/.

Maity:2012:CTM

- [278] Soumya Maity and Soumya K. Ghosh. A cognitive trust model for access control framework in MANET. *Lecture Notes in Computer Science*, 7671:75–88, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_6/.

Toumi:2012:TOT

- [279] Khalifa Toumi, César Andrés, and Ana Cavalli. Trust-orBAC: a trust access control model in multi-organization environments. *Lecture Notes in Computer Science*, 7671:89–103, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_7/.

Bolton:2012:PI

- [280] Matthew L. Bolton, Celeste M. Wallace, and Lenore D. Zuck. On policies and intents. *Lecture Notes in Computer Science*, 7671:104–118, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_8/.

Swinnen:2012:PRP

- [281] Arne Swinnen, Raoul Strackx, Pieter Philippaerts, and Frank Piessens. ProtoLeaks: a reliable and protocol-independent network covert channel. *Lecture Notes in Computer Science*, 7671:119–133, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_9/.

Paul:2012:KSS

- [282] Goutam Paul, Ian Davidson, Imon Mukherjee, and S. S. Ravi. Keyless steganography in spatial domain using energetic pixels. *Lecture Notes in Computer Science*, 7671:134–148, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_10/.

Naskar:2012:FIR

- [283] Ruchira Naskar and Rajat Subhra Chakraborty. Fuzzy inference rule based reversible watermarking for digital images. *Lecture Notes in Computer Science*, 7671:149–163, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_11/.

Natarajan:2012:STM

- [284] Vivek Natarajan, Yi Yang, and Sencun Zhu. Secure trust metadata management for mobile ad-hoc networks. *Lecture Notes in Computer Science*, 7671:164–180, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_12/.

Matam:2012:DAW

- [285] Rakesh Matam and Somanath Tripathy. Defence against wormhole attacks in wireless mesh networks. *Lecture Notes in Computer Science*, 7671:181–193, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_13/.

Agrawal:2012:NKU

- [286] Sarita Agrawal, Rodrigo Roman, Manik Lal Das, Anish Mathuria, and Javier Lopez. A novel key update protocol in mobile sensor networks. *Lecture Notes in Computer Science*, 7671:194–207, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_14/.

Bhattacharya:2012:ACL

- [287] Anup Kumar Bhattacharya, Abhijit Das, Dipanwita Roychoudhury, and Aravind Iyer. Autonomous certification with list-based revocation for secure V2V communication. *Lecture Notes in Computer Science*, 7671:208–222, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_15/.

Li:2012:MIT

- [288] Weihai Li, Brajendra Panda, and Qussai Yaseen. Mitigating insider threat on database integrity. *Lecture Notes in Computer Science*, 7671:223–237, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_16/.

Howlader:2012:CRM

- [289] Jaydeep Howlader, Jayanta Kar, and Ashis Kumar Mal. Coercion resistant MIX for electronic auction. *Lecture Notes in Computer Science*, 7671:238–248, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_17/.

Chandra:2012:VMA

- [290] Girish Chandra and Divakar Yadav. Verification of money atomicity in digital cash based payment system. *Lecture Notes in Computer Science*, 7671:249–264, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_18/.

Peinado:2012:CAT

- [291] Alberto Peinado and Amparo Fúster-Sabater. Cryptographic analysis of a type of sequence generators. *Lecture Notes in Computer Science*, 7671:265–276, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_19/.

Maity:2012:CLD

- [292] Soumyadev Maity and R. C. Hansdah. Certificate-less on-demand public key management (CLPKM) for self-organized MANETs. *Lecture Notes in Computer Science*, 7671:277–293, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35130-3_20/.

Anonymous:2012:FMn

- [293] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7671:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-35130-3/1>.

Han:2012:MIA

- [294] Fengling Han and Ron van Schyndel. M-identity and its authentication protocol for secure mobile commerce applications. *Lecture Notes in Computer Science*, 7672:1–10, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_1/.

Srinivasan:2012:SSS

- [295] Avinash Srinivasan and Jie Wu. SafeCode — safeguarding security and privacy of user data on stolen iOS devices. *Lecture Notes in Computer Science*, 7672:11–20, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_2/.

Braga:2012:PAI

- [296] Alexandre Braga, Rafael Cividanes, Ismael Ávila, and Claudia Tambascia. Protection aspects of iconic passwords on mobile devices. *Lecture Notes in Computer Science*, 7672:21–32, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_3/.

Graa:2012:DCF

- [297] Mariem Graa, Nora Cuppens-Bouahia, Frédéric Cuppens, and Ana Cavalli. Detecting control flow in Smartphones: Combining static and dynamic analyses. *Lecture Notes in Computer Science*, 7672:33–47, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_4/.

Abawajy:2012:MTE

- [298] Jemal Abawajy and Andrei Kelarev. A multi-tier ensemble construction of classifiers for phishing email detection and filtering. *Lecture Notes in Computer Science*, 7672:48–56, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_5/.

Feng:2012:CFT

- [299] Yong Feng, Bo Wang, Fengling Han, Xinghuo Yu, and Zahir Tari. Chattering-free terminal sliding-mode observer for anomaly detection. *Lecture Notes in Computer Science*, 7672:57–65, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_6/.

Watters:2012:DID

- [300] Paul A. Watters and Nigel Phair. Detecting illicit drugs on social media using automated social media intelligence analysis (ASMIA). *Lecture Notes in Computer Science*, 7672:66–76, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_7/.

Timpanaro:2012:ICA

- [301] Juan Pablo Timpanaro, Isabelle Chrisment, and Olivier Festor. Improving content availability in the I2P anonymous file-sharing environment. *Lecture Notes in Computer Science*, 7672:77–92, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_8/.

Stegelmann:2012:VVG

- [302] Mark Stegelmann and Dogan Kesdogan. V2GPriv: Vehicle-to-grid privacy in the Smart Grid. *Lecture Notes in Computer Science*, 7672: 93–107, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_9/.

Angermeier:2012:SAS

- [303] Daniel Angermeier, Konstantin Böttinger, Andreas Ibing, and Dieter Schuster. A secure architecture for smart meter systems. *Lecture Notes in Computer Science*, 7672:108–122, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_10/.

Yang:2012:NIB

- [304] Geng Yang, Qiang Zhou, Xiaolong Xu, Jian Xu, and Chunming Rong. A novel identity-based key management and encryption scheme for distributed system. *Lecture Notes in Computer Science*, 7672:123–138, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_11/.

Barbhuiya:2012:ABA

- [305] Ferdous A. Barbhuiya, Tonmoy Saikia, and Sukumar Nandi. An anomaly based approach for HID attack detection using keystroke dynamics. *Lecture Notes in Computer Science*, 7672:139–152, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_12/.

Srinivasan:2012:RAP

- [306] Avinash Srinivasan and Lashidhar Chennupati. Robust authentication of public access points using digital certificates — a novel approach. *Lecture Notes in Computer Science*, 7672:153–164, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_13/.

Fei:2012:GTK

- [307] Han Fei, Qin Jing, Zhao Huawei, and Hu Jiankun. A general transformation from KP-ABE to searchable encryption. *Lecture Notes in Computer Science*, 7672:165–178, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_14/.

Ferretti:2012:SSC

- [308] Luca Ferretti, Michele Colajanni, and Mirco Marchetti. Supporting security and consistency for cloud database. *Lecture Notes in Computer Science*, 7672:179–193, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_15/.

Petric:2012:PRE

- [309] Ronald Petric. Proxy re-encryption in a privacy-preserving cloud computing DRM scheme. *Lecture Notes in Computer Science*, 7672:194–211, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_16/.

Akimoto:2012:CBV

- [310] Satoru Akimoto, Yoshiaki Hori, and Kouichi Sakurai. Collaborative behavior visualization and its detection by observing Darknet traffic. *Lecture Notes in Computer Science*, 7672:212–226, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_17/.

Valli:2012:SSS

- [311] Craig Valli. SSH — somewhat secure host. *Lecture Notes in Computer Science*, 7672:227–235, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_18/.

Skandhakumar:2012:PAC

- [312] Nimalaprakasan Skandhakumar, Farzad Salim, Jason Reid, and Ed Dawson. Physical access control administration using building information models. *Lecture Notes in Computer Science*, 7672:236–250, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_19/.

Yang:2012:MFB

- [313] Yongming Yang, Zulong Zhang, Fengling Han, and Kunming Lin. Multiple factors based evaluation of fingerprint images quality. *Lecture Notes in Computer Science*, 7672:251–264, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35362-8_20/.

Anonymous:2012:FMo

- [314] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7672: ??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-35362-8/1>.

Elsayed:2012:INI

- [315] Saber M. Elsayed, Ruhul A. Sarker, and Daryl L. Essam. The influence of the number of initial feasible solutions on the performance of an evolutionary optimization algorithm. *Lecture Notes in Computer Science*, 7673:1–11, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_1/.

Tagawa:2012:CDE

- [316] Kiyoharu Tagawa. Concurrent differential evolution based on generational model for multi-core CPUs. *Lecture Notes in Computer Science*, 7673:12–21, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_2/.

Fu:2012:FMB

- [317] Wenlong Fu, Mark Johnston, and Mengjie Zhang. Figure of merit based fitness functions in genetic programming for edge detection. *Lecture Notes in Computer Science*, 7673:22–31, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_3/.

Asco:2012:EAC

- [318] Amadeo Ascó, Jason A. D. Atkin, and Edmund K. Burke. An evolutionary algorithm for the over-constrained airport baggage sorting station assignment problem. *Lecture Notes in Computer Science*, 7673: 32–41, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_4/.

Phan:2012:NPS

- [319] Dung H. Phan and Junichi Suzuki. A non-parametric statistical dominance operator for noisy multiobjective optimization. *Lecture Notes in Computer Science*, 7673:42–51, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_5/.

Khater:2012:ENG

- [320] Marwa Khater, Elham Salehi, and Robin Gras. The emergence of new genes in EcoSim and its effect on fitness. *Lecture Notes in Computer Science*, 7673:52–61, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_6/.

Davarynejad:2012:MDG

- [321] Mohsen Davarynejad, Zary Forghany, and Jan van den Berg. Mass-dispersed gravitational search algorithm for gene regulatory network model parameter identification. *Lecture Notes in Computer Science*, 7673:62–72, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_7/.

Zhang:2012:DBA

- [322] Bin Zhang, Kamran Shafi, and Hussein A. Abbass. A density based approach to the access point layout smart distribution grid design optimization problem. *Lecture Notes in Computer Science*, 7673:73–82, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_8/.

Ellabaan:2012:MMV

- [323] Mostafa Ellabaan, Xianshun Chen, and Nguyen Quang Huy. Multi-modal valley-adaptive memetic algorithm for efficient discovery of first-order saddle points. *Lecture Notes in Computer Science*, 7673:83–92, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_9/.

Ishibuchi:2012:EFR

- [324] Hisao Ishibuchi, Masakazu Yamane, and Yusuke Nojima. Ensemble fuzzy rule-based classifier design by parallel distributed fuzzy GBML algorithms. *Lecture Notes in Computer Science*, 7673:93–103, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_10/.

Kafafy:2012:HIH

- [325] Ahmed Kafafy, Ahmed Bounekkar, and Stéphane Bonnevay. HEMH2: An improved hybrid evolutionary metaheuristics for 0/1 multiobjective knapsack problems. *Lecture Notes in Computer Science*, 7673:104–116,

2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_11/.

Rana:2012:GRD

- [326] Prashant Singh Rana, Harish Sharma, Mahua Bhattacharya, and Anupam Shukla. Guided reproduction in differential evolution. *Lecture Notes in Computer Science*, 7673:117–127, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_12/.

Benlic:2012:SBL

- [327] Una Benlic and Jin-Kao Hao. A study of breakout local search for the minimum sum coloring problem. *Lecture Notes in Computer Science*, 7673:128–137, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_13/.

Nakata:2012:XAA

- [328] Masaya Nakata, Pier Luca Lanzi, and Keiki Takadama. XCS with adaptive action mapping. *Lecture Notes in Computer Science*, 7673:138–147, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_14/.

Vu:2012:DDG

- [329] Cuong C. Vu, Lam Thu Bui, and Hussein A. Abbass. DEAL: a direction-guided evolutionary algorithm. *Lecture Notes in Computer Science*, 7673:148–157, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_15/.

Rosenthal:2012:IMS

- [330] Susanne Rosenthal, Nail El-Sourani, and Markus Borschbach. Introduction of a mutation specific fast non-dominated sorting GA evolved for biochemical optimizations. *Lecture Notes in Computer Science*, 7673:158–167, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_16/.

Sayed:2012:UHD

- [331] Eman Sayed, Daryl Essam, and Ruhul Sarker. Using hybrid dependency identification with a memetic algorithm for large scale optimization problems. *Lecture Notes in Computer Science*, 7673:168–177, 2012. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_17/.

Chandra:2012:ACC

- [332] Rohitash Chandra, Mengjie Zhang, and Lifeng Peng. Application of cooperative convolution optimization for ^{13}C metabolic flux analysis: Simulation of isotopic labeling patterns based on tandem mass spectrometry measurements. *Lecture Notes in Computer Science*, 7673:178–187, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_18/.

Huan:2012:ETP

- [333] Hoang Xuan Huan, Dong Do Duc, and Nguyen Manh Ha. An efficient two-phase ant colony optimization algorithm for the closest string problem. *Lecture Notes in Computer Science*, 7673:188–197, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_19/.

Shafi:2012:EIM

- [334] Kamran Shafi, Kathryn E. Merrick, and Essam Debie. Evolution of intrinsic motives in multi-agent simulations. *Lecture Notes in Computer Science*, 7673:198–207, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34859-4_20/.

Anonymous:2012:FMp

- [335] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7673:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34859-4/1>.

Wang:2012:ILP

- [336] Chao Wang, Yunhong Wang, and Zhaoxiang Zhang. Incremental learning of patch-based bag of facial words representation for online face recognition in videos. *Lecture Notes in Computer Science*, 7674:1–9, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_1/.

Borowiak:2012:EAQ

- [337] Adam Borowiak, Ulrich Reiter, and U. Peter Svensson. Evaluation of audio quality requirements over extended periods of time using Long duration audiovisual content. *Lecture Notes in Computer Science*, 7674:

10–20, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_2/.

Tao:2012:HCG

- [338] Liang Tao and Horace H. S. Ip. Hashing with Cauchy graph. *Lecture Notes in Computer Science*, 7674:21–32, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_3/.

Phan:2012:MED

- [339] Sang Phan, Thanh Duc Ngo, Vu Lam, Son Tran, Duy-Dinh Le, Duc Anh Duong, and Shin'ichi Satoh. Multimedia event detection using segment-based approach for motion feature. *Lecture Notes in Computer Science*, 7674:33–44, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_4/.

Romberg:2012:RFB

- [340] Stefan Romberg, Moritz August, Christian X. Ries, and Rainer Lienhart. Robust feature bundling. *Lecture Notes in Computer Science*, 7674:45–56, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_5/.

Liang:2012:CGS

- [341] Yang Liang, Mingli Song, Jiajun Bu, and Chun Chen. Colorization for gray scale facial image by locality-constrained linear coding. *Lecture Notes in Computer Science*, 7674:57–67, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_6/.

Zhou:2012:NEC

- [342] Xiaozhou Zhou and Pierre Boulanger. New eye contact correction using radial basis function for wide baseline videoconference system. *Lecture Notes in Computer Science*, 7674:68–79, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_7/.

Yu:2012:IHF

- [343] Wenxin Yu, Weichen Wang, Zhengyan Guo, and Satoshi Goto. An integrated hole-filling algorithm for view synthesis. *Lecture Notes in Computer Science*, 7674:80–92, 2012. CODEN LNCSD9. ISSN 0302-9743 (print),

1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_8/.

Zhu:2012:RTC

- [344] Shenggao Zhu, Hugh Anderson, and Ye Wang. A real-time on-chip algorithm for IMU-based gait measurement. *Lecture Notes in Computer Science*, 7674:93–104, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_9/.

Zhu:2012:RPC

- [345] Shenggao Zhu, Hugh Anderson, and Ye Wang. Reducing the power consumption of an IMU-based gait measurement system. *Lecture Notes in Computer Science*, 7674:105–116, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_10/.

Wang:2012:SBE

- [346] Yuxia Wang, Yuan Zhang, Rui Lu, and Pamela C. Cosman. SSIM-based end-to-end distortion modeling for H.264 video coding. *Lecture Notes in Computer Science*, 7674:117–128, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_11/.

Sun:2012:VOH

- [347] Lei Sun, Zhenyu Liu, and Takeshi Ikenaga. A videoconferencing-oriented hybrid-domain H.264/SVC to H.264/AVC spatial transcoder. *Lecture Notes in Computer Science*, 7674:129–141, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_12/.

Tang:2012:RNE

- [348] Chongwu Tang, Xiaokang Yang, and Guangtao Zhai. Robust noise estimation based on noise injection. *Lecture Notes in Computer Science*, 7674:142–152, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_13/.

Wu:2012:IQA

- [349] Jinjian Wu, Fei Qi, and Guangming Shi. Image quality assessment based on improved structural SIMilarity. *Lecture Notes in Computer Science*, 7674:153–163, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_14/.

Chen:2012:MHT

- [350] Chun-Chi Chen, Wen-Hsiao Peng, and Shih-Chun Chou. Multi-hypothesis temporal prediction using template matching prediction and block motion compensation for high efficiency video coding. *Lecture Notes in Computer Science*, 7674:164–175, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_15/.

Lu:2012:LES

- [351] Hong Lu, Kai Chen, Guobao Jiang, Renzhong Wei, and Xiangyang Xue. Leveraging exemplar and saliency model for image search reranking. *Lecture Notes in Computer Science*, 7674:176–185, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_16/.

Qin:2012:RTM

- [352] Shuxin Qin, Xiaoyang Zhu, Haitao Yu, Shuiying Ge, Yiping Yang, and Yongshi Jiang. Real-time markerless hand gesture recognition with depth camera. *Lecture Notes in Computer Science*, 7674:186–197, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_17/.

Xia:2012:STE

- [353] Zhaoqiang Xia, Jinye Peng, Xiaoyi Feng, and Jianping Fan. Social tag enrichment via automatic abstract tag refinement. *Lecture Notes in Computer Science*, 7674:198–209, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_18/.

Quivy:2012:LOS

- [354] Charles-Henri Quivy and Itsuo Kumazawa. “...it’s orange and small, and white stripes...”. *Lecture Notes in Computer Science*, 7674:210–221, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_19/.

Shukla:2012:ANR

- [355] Arpit Shukla, Karan Nathwani, and Rajesh M. Hegde. An adaptive non reference anchor array framework for distant speech recognition. *Lecture Notes in Computer Science*, 7674:222–231, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34778-8_20/.

Anonymous:2012:FMq

- [356] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7674: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34778-8/1>.

Zhu:2012:EEP

- [357] Yadong Zhu, Yuanhai Xue, Jiafeng Guo, Yanyan Lan, Xueqi Cheng, and Xiaoming Yu. Exploring and exploiting proximity statistic for information retrieval model. *Lecture Notes in Computer Science*, 7675: 1–13, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_1/.

Ji:2012:CIL

- [358] Zongcheng Ji, Fei Xu, and Bin Wang. A category-integrated language model for question retrieval in community question answering. *Lecture Notes in Computer Science*, 7675:14–25, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_2/.

Sakai:2012:RDS

- [359] Tetsuya Sakai, Zhicheng Dou, Ruihua Song, and Noriko Kando. The reusability of a diversified search test collection. *Lecture Notes in Computer Science*, 7675:26–38, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_3/.

Sakai:2012:OCO

- [360] Tetsuya Sakai and Makoto P. Kato. One click one revisited: Enhancing evaluation based on information units. *Lecture Notes in Computer Science*, 7675:39–51, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_4/.

Yue:2012:CAT

- [361] Zhen Yue, Shuguang Han, and Daqing He. A comparison of action transitions in individual and collaborative exploratory Web search. *Lecture Notes in Computer Science*, 7675:52–63, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_5/.

Qiu:2012:QOK

- [362] Minghui Qiu, Yaliang Li, and Jing Jiang. Query-oriented keyphrase extraction. *Lecture Notes in Computer Science*, 7675:64–75, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_6/.

Wang:2012:ULT

- [363] Jinpeng Wang, Wayne Xin Zhao, Rui Yan, Haitian Wei, Jian-Yun Nie, and Xiaoming Li. Using lexical and thematic knowledge for name disambiguation. *Lecture Notes in Computer Science*, 7675:76–88, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_7/.

Li:2012:SPS

- [364] Xueni Li, Shaowu Zhang, Liang Yang, and Hongfei Lin. Sells out or piles up? A sentiment autoregressive model for predicting sales performance. *Lecture Notes in Computer Science*, 7675:89–102, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_8/.

Qi:2012:HIS

- [365] Zhenyu Qi, Kang Liu, and Jun Zhao. Are human-input seeds good enough for entity set expansion? Seeds rewriting by leveraging Wikipedia semantic knowledge. *Lecture Notes in Computer Science*, 7675:103–113, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_9/.

Puurula:2012:CMM

- [366] Antti Puurula. Combining modifications to multinomial naive Bayes for text classification. *Lecture Notes in Computer Science*, 7675:114–125, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_10/.

Mizuno:2012:OIW

- [367] Junta Mizuno, Eric Nichols, Yotaro Watanabe, and Kentaro Inui. Organizing information on the Web through agreement-conflict relation classification. *Lecture Notes in Computer Science*, 7675:126–137, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_11/.

Yoshida:2012:ETS

- [368] Mitsuo Yoshida and Yuki Arase. Exploiting Twitter for spiking query classification. *Lecture Notes in Computer Science*, 7675:138–149, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_12/.

Ren:2012:WYS

- [369] Kejiang Ren, Shaowu Zhang, and Hongfei Lin. Where are you settling down: Geo-locating Twitter users based on tweets and social networks. *Lecture Notes in Computer Science*, 7675:150–161, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_13/.

Chun:2012:DIM

- [370] Chang-Woo Chun, Jung-Tae Lee, Seung-Wook Lee, and Hae-Chang Rim. Detecting informative messages based on user history in Twitter. *Lecture Notes in Computer Science*, 7675:162–173, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_14/.

Jiang:2012:SPH

- [371] Changhao Jiang, Min Zhang, Bin Gao, and Tie-Yan Liu. A study on potential head advertisers in sponsored search. *Lecture Notes in Computer Science*, 7675:174–186, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_15/.

Chang:2012:FTM

- [372] Tianshu Chang, Hongfei Lin, and Yuan Lin. Feature transformation method enhanced vandalism detection in Wikipedia. *Lecture Notes in Computer Science*, 7675:187–198, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_16/.

Ye:2012:PQB

- [373] Junting Ye, Yanan Qian, and Qinghua Zheng. PLIDMiner: a quality based approach for researcher’s homepage discovery. *Lecture Notes in Computer Science*, 7675:199–210, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_17/.

Lu:2012:EEH

- [374] Kai Lu, Guanyuan Zhang, Rui Li, Shuai Zhang, and Bin Wang. Exploiting and exploring hierarchical structure in music recommendation. *Lecture Notes in Computer Science*, 7675:211–225, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_18/.

Kaliciak:2012:EMI

- [375] Leszek Kaliciak, Ben Horsburgh, Dawei Song, Nirmalie Wiratunga, and Jeff Pan. Enhancing music information retrieval by incorporating image-based local features. *Lecture Notes in Computer Science*, 7675:226–237, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_19/.

Shi:2012:YAS

- [376] Liang Shi and Bin Wang. Yet another sorting-based solution to the re-assignment of document identifiers. *Lecture Notes in Computer Science*, 7675:238–249, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35341-3_20/.

Anonymous:2012:FMr

- [377] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7675:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-35341-3/1>.

Deb:2012:IMS

- [378] Debayan Deb and Kalyanmoy Deb. Investigation of mutation schemes in real-parameter genetic algorithms. *Lecture Notes in Computer Science*, 7677:1–8, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_1/.

Gao:2012:DHS

- [379] Kaizhou Z. Gao. Discrete harmony search algorithm for dynamic FJSSP in remanufacturing engineering. *Lecture Notes in Computer Science*, 7677:9–16, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_2/.

Sarkar:2012:MIT

- [380] Soham Sarkar and Swagatam Das. Multilevel image thresholding based on Tsallis entropy and differential evolution. *Lecture Notes in Computer Science*, 7677:17–24, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_3/.

Maity:2012:CBE

- [381] Dipankar Maity and Udit Halder. Convergence and boundary estimation of the particle dynamics in generalized particle swarm optimization. *Lecture Notes in Computer Science*, 7677:25–32, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_4/.

Das:2012:ADE

- [382] Sudipta Das and Durbadal Mandal. Application of differential evolution with best of random mutation strategy on asymmetric location only synthesis of broadside circular antenna array. *Lecture Notes in Computer Science*, 7677:33–40, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_5/.

Varghese:2012:PEB

- [383] Tinu Varghese and R. Sheela Kumari. Performance evaluation of bacterial foraging optimization algorithm for the early diagnosis and tracking of Alzheimer’s disease. *Lecture Notes in Computer Science*, 7677:41–48, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_6/.

Senthilnath:2012:MSS

- [384] J. Senthilnath and P. B. Shreyas. Multi-sensor satellite image analysis using niche genetic algorithm for flood assessment. *Lecture Notes in Computer Science*, 7677:49–56, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_7/.

Rathinam:2012:SEL

- [385] Ananthanaryanan Rathinam and Ripunjy Phukan. Solution to economic load dispatch problem based on FIREFLY algorithm and its comparison with BFO, CBFO-S and CBFO-hybrid. *Lecture Notes in Computer Science*, 7677:57–65, 2012. CODEN LNCSD9. ISSN 0302-9743 (print),

1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_8/.

Ali:2012:MDM

- [386] Layak Ali, Samrat L. Sabat, and Siba K. Udgata. MESFET DC model parameter extraction using adaptive accelerated exploration particle swarm optimizer. *Lecture Notes in Computer Science*, 7677:66–73, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_9/.

Reddy:2012:KGM

- [387] Kalam Narendar Reddy and Vadlamani Ravi. Kernel group method of data handling: Application to regression problems. *Lecture Notes in Computer Science*, 7677:74–81, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_10/.

Agrawal:2012:EAG

- [388] Sanjay Agrawal and Rutuparna Panda. An efficient algorithm for gray level image enhancement using cuckoo search. *Lecture Notes in Computer Science*, 7677:82–89, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_11/.

Panda:2012:MOW

- [389] Sumanta Panda, Debadutta Mishra, and B. B. Biswal. A multi-objective workspace optimization of 3R manipulator using modified PSO. *Lecture Notes in Computer Science*, 7677:90–97, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_12/.

Silva:2012:AGA

- [390] Éderson R. Silva and Paulo R. Guardieiro. An analysis of genetic algorithm based anycast routing in delay and disruption tolerant networks. *Lecture Notes in Computer Science*, 7677:98–105, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_13/.

Bhattacharya:2012:RPO

- [391] Bidishna Bhattacharya and Kamal Krishna Mandal. Reactive power optimization using hybrid cultural algorithm. *Lecture Notes in Computer Science*, 7677:106–115, 2012. CODEN LNCSD9. ISSN 0302-9743 (print),

1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_14/.

Tudu:2012:TEF

- [392] Bhimsen Tudu, Preetam Roy, and Sajjan Kumar. Techno-economic feasibility analysis of hybrid renewable energy system using improved version of particle swarm optimization. *Lecture Notes in Computer Science*, 7677: 116–123, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_15/.

Benala:2012:SEP

- [393] Tirimula Rao Benala and Rajib Mall. Software effort prediction using fuzzy clustering and functional link artificial neural networks. *Lecture Notes in Computer Science*, 7677:124–132, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_16/.

Nayak:2012:OPS

- [394] Manas R. Nayak and Subrat K. Dash. Optimal placement and sizing of distributed generation in radial distribution system using differential evolution algorithm. *Lecture Notes in Computer Science*, 7677: 133–142, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_17/.

Ferrari:2012:CAR

- [395] Daniel G. Ferrari and Leandro Nunes de Castro. Clustering algorithm recommendation: a meta-learning approach. *Lecture Notes in Computer Science*, 7677:143–150, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_18/.

Biswas:2012:CPB

- [396] Subhodip Biswas, Digbalay Bose, and Souvik Kundu. A clustering particle based artificial bee colony algorithm for dynamic environment. *Lecture Notes in Computer Science*, 7677:151–159, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_19/.

Kundu:2012:STL

- [397] Souvik Kundu, Subhodip Biswas, and Swagatam Das. A selective teaching-learning based niching technique with local diversification strategy. *Lecture Notes in Computer Science*, 7677:160–168, 2012. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35380-2_20/.

Anonymous:2012:FMs

- [398] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7677: ??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-35380-2/1>.

Sengamedu:2012:SA

- [399] Srinivasan H. Sengamedu. Scalable analytics — algorithms and systems. *Lecture Notes in Computer Science*, 7678:1–7, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35542-4_1/.

Agneeswaran:2012:BDT

- [400] Vijay Srinivas Agneeswaran. Big-Data — theoretical, engineering and analytics perspective. *Lecture Notes in Computer Science*, 7678:8–15, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35542-4_2/.

Basil:2012:CSM

- [401] Tony Basil, Bollepalli S. Chandra, and Choudur Lakshminarayan. A comparison of statistical machine learning methods in heartbeat detection and classification. *Lecture Notes in Computer Science*, 7678:16–25, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35542-4_3/.

Yasir:2012:EQO

- [402] Ammar Yasir, Mittapally Kumara Swamy, Polepalli Krishna Reddy, and Subhash Bhalla. Enhanced query-by-object approach for information requirement elicitation in large databases. *Lecture Notes in Computer Science*, 7678:26–41, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35542-4_4/.

Gupta:2012:CCB

- [403] Rajeev Gupta, Himanshu Gupta, and Mukesh Mohania. Cloud computing and big data analytics: What is new from databases perspective? *Lecture Notes in Computer Science*, 7678:42–61, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35542-4_5/.

Reddy:2012:MVC

- [404] Polepalli Krishna Reddy, Basi Bhaskar Reddy, and D. Rama Rao. A model of virtual crop labs as a cloud computing application for enhancing practical agricultural education. *Lecture Notes in Computer Science*, 7678:62–76, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35542-4_6/.

Yasir:2012:ESD

- [405] Ammar Yasir, Mittapally Kumara Swamy, and Polepalli Krishna Reddy. Exploiting schema and documentation for summarizing relational databases. *Lecture Notes in Computer Science*, 7678:77–90, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35542-4_7/.

Nambiar:2012:FBS

- [406] Ullas Nambiar, Tanveer Faruque, Shamanth Kumar, Fred Morstatter, and Huan Liu. Faceted browsing over social media. *Lecture Notes in Computer Science*, 7678:91–100, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35542-4_8/.

Gupta:2012:ATE

- [407] Anand Gupta, Manpreet Kathuria, Arjun Singh, Ashish Sachdeva, and Shruti Bhati. Analog textual entailment and spectral clustering (ATESC) based summarization. *Lecture Notes in Computer Science*, 7678:101–110, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35542-4_9/.

Kumar:2012:EGP

- [408] Jatin Kumar, Tushar Rao, and Saket Srivastava. Economics of gold price movement-forecasting analysis using macro-economic, investor fear and investor behavior features. *Lecture Notes in Computer Science*, 7678:111–121, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35542-4_10/.

Ryu:2012:EMB

- [409] Joung Woo Ryu, Mehmed M. Kantardzic, Myung-Won Kim, and A. Ra Khil. An efficient method of building an ensemble of classifiers in streaming data. *Lecture Notes in Computer Science*, 7678:122–133,

2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35542-4_11/.

Mohanty:2012:EAB

- [410] Sraban Kumar Mohanty and Gopalan Sajith. I/O efficient algorithms for block Hessenberg reduction using panel approach. *Lecture Notes in Computer Science*, 7678:134–147, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35542-4_12/.

Gupta:2012:LCT

- [411] Anand Gupta, Prashant Khurana, and Raveena Mathur. Luring conditions and their proof of necessity through mathematical modelling. *Lecture Notes in Computer Science*, 7678:148–157, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35542-4_13/.

Kim:2012:ERS

- [412] Myung-Won Kim, Eun-Ju Kim, Won-Moon Song, Sung-Yeol Song, and A. Ra Khil. Efficient recommendation for smart TV contents. *Lecture Notes in Computer Science*, 7678:158–167, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35542-4_14/.

Kumar:2012:MVS

- [413] T. V. Vijay Kumar and Santosh Kumar. Materialized view selection using simulated annealing. *Lecture Notes in Computer Science*, 7678:168–179, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35542-4_15/.

Anonymous:2012:BMb

- [414] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7678:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-35542-4/1>.

Anonymous:2012:FMt

- [415] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7678:??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-35542-4/1>.

Morrisett:2012:SFM

- [416] Greg Morrisett. Scalable formal machine models. *Lecture Notes in Computer Science*, 7679:1–3, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_1/.

Leroy:2012:MSC

- [417] Xavier Leroy. Mechanized semantics for compiler verification. *Lecture Notes in Computer Science*, 7679:4–6, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_2/.

Barthe:2012:ACA

- [418] Gilles Barthe, Benjamin Grégoire, and César Kunz. Automation in computer-aided cryptography: Proofs, attacks and designs. *Lecture Notes in Computer Science*, 7679:7–8, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-35308-6_3.

Kobayashi:2012:PCH

- [419] Naoki Kobayashi. Program certification by higher-order model checking. *Lecture Notes in Computer Science*, 7679:9–10, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/accesspage/chapter/10.1007/978-3-642-35308-6_4.

Robert:2012:FVA

- [420] Valentin Robert and Xavier Leroy. A formally-verified alias analysis. *Lecture Notes in Computer Science*, 7679:11–26, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_5/.

Zhao:2012:MVC

- [421] Jianzhou Zhao and Steve Zdancewic. Mechanized verification of computing dominators for formalizing compilers. *Lecture Notes in Computer Science*, 7679:27–42, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_6/.

Mulligan:2012:COA

- [422] Dominic P. Mulligan and Claudio Sacerdoti Coen. On the correctness of an optimising assembler for the Intel MCS-51 microprocessor. *Lecture Notes in Computer Science*, 7679:43–59, 2012. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_7/.

Campbell:2012:ESC

- [423] Brian Campbell. An executable semantics for CompCert C. *Lecture Notes in Computer Science*, 7679:60–75, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_8/.

Tollitte:2012:PCF

- [424] Pierre-Nicolas Tollitte, David Delahaye, and Catherine Dubois. Producing certified functional code from inductive specifications. *Lecture Notes in Computer Science*, 7679:76–91, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_9/.

Bulwahn:2012:NQI

- [425] Lukas Bulwahn. The new Quickcheck for Isabelle. *Lecture Notes in Computer Science*, 7679:92–108, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_10/.

Popescu:2012:PCN

- [426] Andrei Popescu, Johannes Hölzl, and Tobias Nipkow. Proving concurrent noninterference. *Lecture Notes in Computer Science*, 7679:109–125, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_11/.

Murray:2012:NOS

- [427] Toby Murray, Daniel Matichuk, and Matthew Brassil. Noninterference for operating system kernels. *Lecture Notes in Computer Science*, 7679:126–142, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_12/.

Vaynberg:2012:CVB

- [428] Alexander Vaynberg and Zhong Shao. Compositional verification of a baby virtual memory manager. *Lecture Notes in Computer Science*, 7679:143–159, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_13/.

Nakano:2012:SWJ

- [429] Keisuke Nakano. Shall we juggle, coinductively? *Lecture Notes in Computer Science*, 7679:160–172, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_14/.

Accattoli:2012:PPA

- [430] Beniamino Accattoli. Proof pearl: Abella formalization of λ -calculus cube property. *Lecture Notes in Computer Science*, 7679:173–187, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_15/.

Chan:2012:SPP

- [431] Hing-Lun Chan and Michael Norrish. A string of pearls: Proofs of Fermat’s Little Theorem. *Lecture Notes in Computer Science*, 7679:188–207, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_16/.

Chaudhuri:2012:CPC

- [432] Kaustuv Chaudhuri. Compact proof certificates for linear logic. *Lecture Notes in Computer Science*, 7679:208–223, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_17/.

Doczkal:2012:CCM

- [433] Christian Doczkal and Gert Smolka. Constructive completeness for modal logic with transitive closure. *Lecture Notes in Computer Science*, 7679:224–239, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_18/.

Asperti:2012:RDE

- [434] Andrea Asperti and Wilmer Ricciotti. Rating disambiguation errors. *Lecture Notes in Computer Science*, 7679:240–255, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_19/.

Neron:2012:FPS

- [435] Pierre Neron. A formal proof of square root and division elimination in embedded programs. *Lecture Notes in Computer Science*, 7679:

256–272, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35308-6_20/.

Anonymous:2012:FMu

- [436] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7679: ??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-35308-6/1>.

Clarke:2012:MCS

- [437] Edmund M. Clarke and William Klieber. Model checking and the state explosion problem. *Lecture Notes in Computer Science*, 7682: 1–30, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35746-6_1/.

Godefroid:2012:PLI

- [438] Patrice Godefroid and Shuvendu K. Lahiri. From program to logic: An introduction. *Lecture Notes in Computer Science*, 7682:31–44, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35746-6_2/.

Paulin-Mohring:2012:ICP

- [439] Christine Paulin-Mohring. Introduction to the Coq proof-assistant for practical software verification. *Lecture Notes in Computer Science*, 7682: 45–95, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35746-6_3/.

Munoz:2012:ATP

- [440] César A. Muñoz and Ramiro A. Demasi. Advanced theorem proving techniques in PVS and applications. *Lecture Notes in Computer Science*, 7682:96–132, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35746-6_4/.

Tschannen:2012:AVA

- [441] Julian Tschannen and Carlo Alberto Furia. Automatic verification of advanced object-oriented features: The AutoProof approach. *Lecture Notes in Computer Science*, 7682:133–155, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35746-6_5/.

Herbert:2012:UDA

- [442] Luke Herbert and K. Rustan M. Leino. Using Dafny, an automatic program verifier. *Lecture Notes in Computer Science*, 7682:156–181, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35746-6_6/.

Anonymous:2012:BMc

- [443] Anonymous. Back matter. *Lecture Notes in Computer Science*, 7682:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bbm:978-3-642-35746-6/1>.

Anonymous:2012:FMv

- [444] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7682:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-35746-6/1>.

Gjoreski:2012:CBF

- [445] Hristijan Gjoreski, Mitja Luštrek, and Matjaž Gams. Context-based fall detection using inertial and location sensors. *Lecture Notes in Computer Science*, 7683:1–16, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_1/.

Grosse-Puppendahl:2012:EAB

- [446] Tobias Grosse-Puppendahl, Eugen Berlin, and Marko Borazio. Enhancing accelerometer-based activity recognition with capacitive proximity sensing. *Lecture Notes in Computer Science*, 7683:17–32, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_2/.

Bongartz:2012:AUI

- [447] Sara Bongartz, Yucheng Jin, Fabio Paternò, Joerg Rett, and Carmen Santoro. Adaptive user interfaces for smart environments with the support of model-based languages. *Lecture Notes in Computer Science*, 7683:33–48, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_3/.

Osswald:2012:BSW

- [448] Sebastian Osswald, Alexander Meschtscherjakov, Nicole Mirnig, and Karl-Armin Kraessig. Back of the steering wheel interaction: The car Braille keyer. *Lecture Notes in Computer Science*, 7683:49–64, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_4/.

Struse:2012:PCU

- [449] Eric Struse, Julian Seifert, Sebastian Üllenbeck, Enrico Rukzio, and Christopher Wolf. PermissionWatcher: Creating user awareness of application permissions in mobile systems. *Lecture Notes in Computer Science*, 7683:65–80, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_5/.

Vaananen-Vainio-Mattila:2012:ENV

- [450] Kaisa Väänänen-Vainio-Mattila, Tomi Haustola, Jonna Häkkinä, and Minna Karukka. Exploring non-verbal communication of presence between Young children and their parents through the embodied teddy bear. *Lecture Notes in Computer Science*, 7683:81–96, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_6/.

Ijsselmuiden:2012:ABU

- [451] Joris Ijsselmuiden, Ann-Kristin Grosselfinger, David Münch, and Michael Arens. Automatic behavior understanding in crisis response control rooms. *Lecture Notes in Computer Science*, 7683:97–112, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_7/.

Strasser:2012:CIE

- [452] Ewald Strasser, Astrid Weiss, Thomas Grill, Sebastian Osswald, and Manfred Tscheligi. Combining implicit and explicit methods for the evaluation of an ambient persuasive factory display. *Lecture Notes in Computer Science*, 7683:113–128, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_8/.

Guivarch:2012:CAA

- [453] Valérian Guivarch, Valérie Camps, and André Péninou. Context awareness in ambient systems by an adaptive multi-agent approach. *Lecture Notes*

in *Computer Science*, 7683:129–144, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_9/.

Shell:2012:TFT

- [454] Jethro Shell and Simon Coupland. Towards fuzzy transfer learning for intelligent environments. *Lecture Notes in Computer Science*, 7683:145–160, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_10/.

Vatavu:2012:GPW

- [455] Radu-Daniel Vatavu, Cătălin-Marian Chera, and Wei-Tek Tsai. Gesture profile for Web services: An event-driven architecture to support gestural interfaces for smart environments. *Lecture Notes in Computer Science*, 7683:161–176, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_11/.

Chahuara:2012:UML

- [456] Pedro Chahuara, Anthony Fleury, François Portet, and Michel Vacher. Using Markov logic network for on-line activity recognition from non-visual home automation sensors. *Lecture Notes in Computer Science*, 7683:177–192, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_12/.

Cvetkovic:2012:MCA

- [457] Božidara Cvetković, Boštjan Kaluža, Mitja Luštrek, and Matjaž Gams. Multi-classifier adaptive training: Specialising an activity recognition classifier using semi-supervised learning. *Lecture Notes in Computer Science*, 7683:193–207, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_13/.

Sehili:2012:SEA

- [458] Mohamed A. Sehili, Benjamin Lecouteux, Michel Vacher, François Portet, and Dan Istrate. Sound environment analysis in smart home. *Lecture Notes in Computer Science*, 7683:208–223, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_14/.

Zachhuber:2012:CWO

- [459] Doris Zachhuber, Thomas Grill, Ondrej Polacek, and Manfred Tscheligi. Contextual Wizard of Oz. *Lecture Notes in Computer Science*, 7683: 224–239, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_15/.

DeCarolis:2012:RUS

- [460] Berardina De Carolis, Stefano Ferilli, and Nicole Novielli. Recognizing the user social attitude in multimodal interaction in smart environments. *Lecture Notes in Computer Science*, 7683:240–255, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_16/.

Shafti:2012:EFE

- [461] Leila S. Shafti, Pablo A. Haya, Manuel García-Herranz, and Eduardo Pérez. Evolutionary feature extraction to infer behavioral patterns in ambient intelligence. *Lecture Notes in Computer Science*, 7683:256–271, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_17/.

Kurdyukova:2012:PCP

- [462] Ekaterina Kurdyukova, Stephan Hammer, and Elisabeth André. Personalization of content on public displays driven by the recognition of group context. *Lecture Notes in Computer Science*, 7683:272–287, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_18/.

Zaki:2012:TGA

- [463] Michael Zaki and Peter Forbrig. Towards the generation of assistive user interfaces for smart meeting rooms based on activity patterns. *Lecture Notes in Computer Science*, 7683:288–295, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_19/.

Robben:2012:RDR

- [464] Saskia Robben, Kyra Bergman, Sven Haitjema, Yannick de Lange, and Ben Kröse. Reducing dementia related wandering behaviour with an interactive wall. *Lecture Notes in Computer Science*, 7683:296–303, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-34898-3_20/.

Anonymous:2012:FMw

- [465] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7683: ??, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-34898-3/1>.

Wang:2012:SLA

- [466] Yanfeng Wang, Wenling Wu, Xiaoli Yu, and Lei Zhang. Security on LBlock against biclique cryptanalysis. *Lecture Notes in Computer Science*, 7690:1–14, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_1/.

Jia:2012:IID

- [467] Keting Jia and Leibo Li. Improved impossible differential attacks on reduced-round MISTY1. *Lecture Notes in Computer Science*, 7690: 15–27, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_2/.

Tanaka:2012:EPE

- [468] Satoshi Tanaka, Tung Chou, Bo-Yin Yang, Chen-Mou Cheng, and Kouichi Sakurai. Efficient parallel evaluation of multivariate quadratic polynomials on GPUs. *Lecture Notes in Computer Science*, 7690:28–42, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_3/.

Zhao:2012:EEV

- [469] Wentao Zhao, Xin Hai, Shaojing Fu, Chao Li, and Yanfeng Wang. Enumeration of even-variable Boolean functions with maximum algebraic immunity. *Lecture Notes in Computer Science*, 7690:43–54, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_4/.

Seo:2012:MPM

- [470] Hwajeong Seo and Howon Kim. Multi-precision multiplication for public-key cryptography on embedded microprocessors. *Lecture Notes in Computer Science*, 7690:55–67, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_5/.

Kim:2012:TPD

- [471] Hyunmin Kim, Vladimir Rozic, and Ingrid Verbauwhede. Three phase dynamic current mode logic: a more secure DyCML to achieve a more balanced power consumption. *Lecture Notes in Computer Science*, 7690: 68–81, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_6/.

Park:2012:IDF

- [472] JeaHoon Park and JaeCheol Ha. Improved differential fault analysis on block cipher ARIA. *Lecture Notes in Computer Science*, 7690: 82–95, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_7/.

Thorncharoensri:2012:MLC

- [473] Pairat Thorncharoensri, Willy Susilo, and Yi Mu. Multi-level controlled signature. *Lecture Notes in Computer Science*, 7690:96–110, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_8/.

Li:2012:TPC

- [474] Liangze Li and Fan Zhang. Tate pairing computation on generalized Hessian curves. *Lecture Notes in Computer Science*, 7690:111–123, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_9/.

Larangeira:2012:RCN

- [475] Mario Larangeira and Keisuke Tanaka. Reduction-centric non-programmable security proof for the full domain hash in the random oracle model. *Lecture Notes in Computer Science*, 7690:124–143, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_10/.

Kang:2012:AKM

- [476] Hyun-Sun Kang and Chang-Seop Park. An authentication and key management scheme for the proxy mobile IPv6. *Lecture Notes in Computer Science*, 7690:144–160, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_11/.

Aszalos:2012:PAP

- [477] László Aszalós and Andrea Huszti. Payment approval for PayWord. *Lecture Notes in Computer Science*, 7690:161–176, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_12/.

Hwang:2012:ABA

- [478] Jung Yeon Hwang, Sungwook Eom, Ku-Young Chang, Pil Joong Lee, and DaeHun Nyang. Anonymity-based authenticated key agreement with full binding property. *Lecture Notes in Computer Science*, 7690:177–191, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_13/.

Oh:2012:SCW

- [479] Junghoon Oh, Namheun Son, Sangjin Lee, and Kyungho Lee. A study for classification of Web browser log and timeline visualization. *Lecture Notes in Computer Science*, 7690:192–207, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_14/.

Durvaux:2012:IPP

- [480] François Durvaux, Benoît Gérard, Stéphanie Kerckhof, and François Koeune. Intellectual property protection for integrated systems using soft physical hash functions. *Lecture Notes in Computer Science*, 7690:208–225, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_15/.

Liu:2012:VAD

- [481] Shun-Te Liu, Yi-Ming Chen, and Hui-Ching Hung. N -victims: An approach to determine N -victims for APT investigations. *Lecture Notes in Computer Science*, 7690:226–240, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_16/.

Choi:2012:EFM

- [482] Jaeun Choi, Gisung Kim, Tae Ghyoon Kim, and Sehun Kim. An efficient filtering method for detecting malicious Web pages. *Lecture Notes in Computer Science*, 7690:241–253, 2012. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_17/.

Lin:2012:LCS

- [483] Eric Lin, John Ayccock, and Mohammad Mannan. Lightweight client-side methods for detecting email forgery. *Lecture Notes in Computer Science*, 7690:254–269, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_18/.

Choi:2012:ATB

- [484] Yang seo Choi, Ik-Kyun Kim, Jin-Tae Oh, and Jong-Soo Jang. AIGG threshold based HTTP GET flooding attack detection. *Lecture Notes in Computer Science*, 7690:270–284, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_19/.

Kim:2012:IGW

- [485] Hyunjoo Kim, Byoungkoo Kim, Daewon Kim, Ik-Kyun Kim, and Tai-Myoung Chung. Implementation of GESNIC for Web server protection against HTTP GET flooding attacks. *Lecture Notes in Computer Science*, 7690:285–295, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL http://link.springer.com/chapter/10.1007/978-3-642-35416-8_20/.

Anonymous:2012:FMx

- [486] Anonymous. Front matter. *Lecture Notes in Computer Science*, 7690:??, 2012. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer.com/content/pdf/bfm:978-3-642-35416-8/1>.

Nguyen:2012:CC1a

- [487] Ngoc-Thanh Nguyen, Kiem Hoang, and Piotr Jędrzejowicz, editors. *Computational Collective Intelligence. Technologies and Applications: 4th International Conference, ICCCI 2012, Ho Chi Minh City, Vietnam, November 28–30, 2012, Proceedings, Part I*, volume 7653 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34629-4 (print), 3-642-34630-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34630-9>.

Nguyen:2012:CC1b

- [488] Ngoc-Thanh Nguyen, Kiem Hoang, and Piotr Jędrzejowicz, editors. *Computational Collective Intelligence. Technologies and Applications: 4th International Conference, ICCCI 2012, Ho Chi Minh City, Vietnam,*

November 28–30, 2012, Proceedings, Part II, volume 7654 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34706-1 (print), 3-642-34707-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34707-8>.

Barneva:2012:CIA

- [489] Reneta P. Barneva, Valentin E. Brimkov, and Jake K. Aggarwal, editors. *Combinatorial Image Analysis: 15th International Workshop, IW-CIA 2012, Austin, TX, USA, November 28–30, 2012. Proceedings*, volume 7655 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34731-2 (print), 3-642-34732-0 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34732-0>.

Wang:2012:ACA

- [490] Xiaoyun Wang and Kazue Sako, editors. *Advances in Cryptology — ASIACRYPT 2012: 18th International Conference on the Theory and Application of Cryptology and Information Security, Beijing, China, December 2–6, 2012. Proceedings*, volume 7658 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34960-9 (print), 3-642-34961-7 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34961-4>.

Even:2012:DAA

- [491] Guy Even and Dror Rawitz, editors. *Design and Analysis of Algorithms: First Mediterranean Conference on Algorithms, MedAlg 2012, Kibbutz Ein Gedi, Israel, December 3–5, 2012. Proceedings*, volume 7659 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34861-0 (print), 3-642-34862-9 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34862-4>.

Chen:2012:FIS

- [492] Li Chen, Alexander Felfernig, Jiming Liu, and Zbigniew W. Raś, editors. *Foundations of Intelligent Systems: 20th International Symposium, ISMIS 2012, Macau, China, December 4–7, 2012. Proceedings*, volume 7661 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34623-5 (print), 3-642-34624-3 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34624-8>.

Huang:2012:NIPa

- [493] Tingwen Huang, Zhigang Zeng, Chuandong Li, and Chi Sing Leung, editors. *Neural Information Processing: 19th International Conference, ICONIP 2012, Doha, Qatar, November 12–15, 2012, Proceedings, Part I*, volume 7663 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34474-7 (print), 3-642-34475-5 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34475-6>.

Huang:2012:NIPb

- [494] Tingwen Huang, Zhigang Zeng, Chuandong Li, and Chi Sing Leung, editors. *Neural Information Processing: 19th International Conference, ICONIP 2012, Doha, Qatar, November 12–15, 2012, Proceedings, Part II*, volume 7664 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34480-1 (print), 3-642-34481-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34481-7>.

Huang:2012:NIPc

- [495] Tingwen Huang, Zhigang Zeng, Chuandong Li, and Chi Sing Leung, editors. *Neural Information Processing: 19th International Conference, ICONIP 2012, Doha, Qatar, November 12–15, 2012, Proceedings, Part III*, volume 7665 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34486-0 (print), 3-642-34487-9 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34487-9>.

Huang:2012:NIPd

- [496] Tingwen Huang, Zhigang Zeng, Chuandong Li, and Chi Sing Leung, editors. *Neural Information Processing: 19th International Conference, ICONIP 2012, Doha, Qatar, November 12–15, 2012, Proceedings, Part IV*, volume 7666 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34477-1 (print), 3-642-34478-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34478-7>.

Huang:2012:NIPe

- [497] Tingwen Huang, Zhigang Zeng, Chuandong Li, and Chi Sing Leung, editors. *Neural Information Processing: 19th International Conference,*

ICONIP 2012, Doha, Qatar, November 12–15, 2012, Proceedings, Part V, volume 7667 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCS9. ISBN 3-642-34499-2 (print), 3-642-34500-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ??? URL <http://www.springerlink.com/content/978-3-642-34500-5>.

Galbraith:2012:PCI

- [498] Steven Galbraith and Mridul Nandi, editors. *Progress in Cryptology — INDOCRYPT 2012: 13th International Conference on Cryptology in India, Kolkata, India, December 9–12, 2012. Proceedings*, volume 7668 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCS9. ISBN 3-642-34930-7 (print), 3-642-34931-5 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ??? URL <http://www.springerlink.com/content/978-3-642-34931-7>.

Zanzotto:2012:BII

- [499] Fabio Massimo Zanzotto, Shusaku Tsumoto, Niels Taatgen, and Yiyu Yao, editors. *Brain Informatics: International Conference, BI 2012, Macau, China, December 4–7, 2012. Proceedings*, volume 7670 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCS9. ISBN 3-642-35138-7 (print), 3-642-35139-5 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ??? URL <http://www.springerlink.com/content/978-3-642-35139-6>.

Venkatakrishnan:2012:ISS

- [500] Venkat Venkatakrishnan and Diganta Goswami, editors. *Information Systems Security: 8th International Conference, ICISS 2012, Guwahati, India, December 15–19, 2012. Proceedings*, volume 7671 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCS9. ISBN 3-642-35129-8 (print), 3-642-35130-1 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ??? URL <http://www.springerlink.com/content/978-3-642-35130-3>.

Xiang:2012:CSS

- [501] Yang Xiang, Javier Lopez, C.-C. Jay Kuo, and Wanlei Zhou, editors. *Cyberspace Safety and Security: 4th International Symposium, CSS 2012, Melbourne, Australia, December 12–13, 2012. Proceedings*, volume 7672 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCS9. ISBN 3-642-35361-4 (print), 3-642-35362-2 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ??? URL <http://www.springerlink.com/content/978-3-642-35362-8>.

Bui:2012:SEL

- [502] Lam Thu Bui, Yew Soon Ong, Nguyen Xuan Hoai, Hisao Ishibuchi, and Ponnuthurai Nagarathnam Suganthan, editors. *Simulated Evolution and Learning: 9th International Conference, SEAL 2012, Hanoi, Vietnam, December 16–19, 2012. Proceedings*, volume 7673 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34858-0 (print), 3-642-34859-9 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34859-4>.

Lin:2012:AMI

- [503] Weisi Lin, Dong Xu, Anthony Ho, Jianxin Wu, Ying He, Jianfei Cai, Mohan Kankanhalli, and Ming-Ting Sun, editors. *Advances in Multimedia Information Processing — PCM 2012: 13th Pacific-Rim Conference on Multimedia, Singapore, December 4–6, 2012. Proceedings*, volume 7674 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34777-0 (print), 3-642-34778-9 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34778-8>.

Hou:2012:IRT

- [504] Yuexian Hou, Jian-Yun Nie, Le Sun, Bo Wang, and Peng Zhang, editors. *Information Retrieval Technology: 8th Asia Information Retrieval Societies Conference, AIRS 2012, Tianjin, China, December 17–19, 2012. Proceedings*, volume 7675 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-35340-1 (print), 3-642-35341-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-35341-3>.

Panigrahi:2012:SEM

- [505] Bijaya Ketan Panigrahi, Swagatam Das, Ponnuthurai Nagarathnam Suganthan, and Pradipta Kumar Nanda, editors. *Swarm, Evolutionary, and Memetic Computing: Third International Conference, SEMCCO 2012, Bhubaneswar, India, December 20–22, 2012. Proceedings*, volume 7677 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-35379-7 (print), 3-642-35380-0 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-35380-2>.

Srinivasa:2012:BDA

- [506] Srinath Srinivasa and Vasudha Bhatnagar, editors. *Big Data Analytics: First International Conference, BDA 2012, New Delhi, India, De-*

ember 24–26, 2012. *Proceedings*, volume 7678 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-35541-2 (print), 3-642-35542-0 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-35542-4>.

Hawblitzel:2012:CPP

- [507] Chris Hawblitzel and Dale Miller, editors. *Certified Programs and Proofs: Second International Conference, CPP 2012, Kyoto, Japan, December 13–15, 2012. Proceedings*, volume 7679 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-35307-X (print), 3-642-35308-8 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-35308-6>.

Meyer:2012:TPS

- [508] Bertrand Meyer and Martin Nordio, editors. *Tools for Practical Software Verification: LASER, International Summer School 2011, Elba Island, Italy, Revised Tutorial Lectures*, volume 7682 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-35745-8 (print), 3-642-35746-6 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-35746-6>.

Paterno:2012:AIT

- [509] Fabio Paternò, Boris de Ruyter, Panos Markopoulos, Carmen Santoro, Evert van Loenen, and Kris Luyten, editors. *Ambient Intelligence: Third International Joint Conference, AmI 2012, Pisa, Italy, November 13–15, 2012. Proceedings*, volume 7683 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-34897-1 (print), 3-642-34898-X (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-34898-3>.

Lee:2012:ISA

- [510] Dong Hoon Lee and Moti Yung, editors. *Information Security Applications: 13th International Workshop, WISA 2012, Jeju Island, Korea, August 16–18, 2012, Revised Selected Papers*, volume 7690 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 2012. CODEN LNCSD9. ISBN 3-642-35415-7 (print), 3-642-35416-5 (e-book). ISSN 0302-9743 (print), 1611-3349 (electronic). LCCN ????. URL <http://www.springerlink.com/content/978-3-642-35416-8>.