SOFTWARE PROJECT



DATA MINING

Code	Title
DatMng2015-1	Multi category Crowd sourcing Accounting for Variable Task Difficulty, Worker Skill, and Worker Intention
DatMng2015-2	Context-Based Diversification for Keyword Queries Over XML Data
DatMng2015-3	Cross-Language Learning from Bots and Users to Detect Vandalism on Wikipedia
DatMng2015-4	A Reconstruction Error Based Framework for Multi-Label and Multi-View Learning
DatMng2015-5	Co-Extracting Opinion Targets and Opinion Words from Online Reviews Based on the Word Alignment Model
DatMng2015-6	Checking Chase Termination: Cyclicity Analysis and Rewriting Techniques
DatMng2015-7	Polarity Consistency Checking for Domain Independent Sentiment Dictionaries
DatMng2015-8	Probabilistic Convex Hull Queries over Uncertain Data
DatMng2015-9	Joint Search by Social and Spatial Proximity
DatMng2015-10	Parsimonious Topic Models with Salient Word Discovery
DatMng2015-11	Discovering Urban Functional Zones Using Latent Activity Trajectories
DatMng2015-12	Customizable Point-of-Interest Queries in Road Networks

	Discovering Data Set Nature through Algorithmic Clustering Based on String
DatMng2015-13	Compression
DatMng2015-14	Efficient Parallel Processing of Distance Join Queries Over Distributed Graphs
DatMng2015-15	Online and Non-Parametric Drift Detection Methods Based on Hoeffding's Bounds
DatMng2015-16	Probabilistic Range Query over Uncertain Moving Objects in Constrained Two-Dimensional Space
DatMng2015-17	Efficient Algorithms for Mining the Concise and Lossless Representation of High Utility Item sets
DatMng2015-18	An Iterative Map Reduce Based Frequent Sub graph Mining Algorithm
DatMng2015-19	Fast Best-Effort Search on Graphs with Multiple Attributes
DatMng2015-20	Improved Greedy Algorithms for Sparse Approximation of a Matrix in Terms of Another Matrix
DatMng2015-21`	Confidence Interval for F1 Measure of Algorithm Performance Based on Blocked 32 Cross-Validation
DatMng2015-22	RRW—A Robust and Reversible Watermarking Technique for Relational Data
DatMng2015-23	Authentication of Moving Top-k Spatial Keyword Queries
DatMng2015-24	On Evaluating the Contribution of Validation for Question Answering
DatMng2015-25	SAX Discretization Does Not Guarantee Equiprobable Symbols
DatMng2015-26	A New Dynamic Rule Activation Method for Extended Belief Rule-Based Systems
DatMng2015-27	An Event Calculus for Event Recognition
DatMng2015-28	An LSH-Based Blocking Approach with a Homomorphic Matching Technique for Privacy-Preserving Record Linkage
DatMng2015-29	Composing Data Services with Uncertain Semantics
DatMng2015-30	Efficient Filtering Algorithms for Location-Aware Publish/Subscribe
DatMng2015-31	Efficient Graph Similarity Search Over Large Graph Databases

DatMng2015-32	Enforcement of Autonomous Authorizations in Collaborative Distributed
	Query Evaluation
DatMng2015-33	Expert Finding for Question Answering via Graph Regularized Matrix
Dativing2013-33	Completion
DatMng2015-34	GFilter: A General Gram Filter for String Similarity Search
	HOCTracker: Tracking the Evolution of Hierarchical and Overlapping
DatMng2015-35	Communities in Dynamic Social Networks
	Incorporating Social Role Theory into Topic Models for Social Media Content
DatMng2015-36	Analysis Wayne
	ISC: An Iterative Social Based Classifier for Adult Account Detection on
DatMng2015-37	Twitter
DatMng2015-38	Multi-Core Processing of XML Twig Patterns
	NUMA-Aware Scalable and Efficient In-Memory Aggregation on Large
DatMng2015-39	Domains
DatMng2015-40	PPSGen: Learning-Based Presentation Slides Generation for Academic Papers
DatMng2015-41	Review Selection Using Micro-Reviews
DatMng2015-42	Role Discovery in Networks
DatMng2015-43	Voronoi Cell-Based Clustering Using a Kernel Support
DatMng2015-44	On Summarization and Timeline Generation for Evolutionary Tweet Streams
DatMng2015-45	Resampling-Based Ensemble Methods for Online Class Imbalance Learning
DatMng2015-46	Progressive Duplicate Detection
	A General Geographical Probabilistic Factor Model for Point of Interest
DatMng2015-47	Recommendation
DatMng2015-48	Topological Transformation Approaches to Database Query Processing
	k-Nearest Neighbor Classification over Semantically Secure Encrypted
DatMng2015-49	Relational Data
DatMng2015-50	Scalable Distributed Processing of K Nearest Neighbor Queries over Moving

	Objects
DatMng2015-51	Relational Collaborative Topic Regression for Recommender Systems
DatMng2015-52	LINQ: A Framework for Location-Aware Indexing and Query Processing
DatMng2015-53	ePeriodicity: Mining Event Periodicity from Incomplete Observations
DatMng2015-54	Aggregate Estimation in Hidden Databases with Checkbox Interfaces
DatMng2015-55	Keyword Search Over Probabilistic RDF Graphs
DatMng2015-56	Efficient Reverse Top-k Boolean Spatial Keyword Queries on Road Networks
D M 2015 57	Graph-Based Approaches for Over-Sampling in the Context of Ordinal
DatMng2015-57	Regression
5 34 2017 50	The Composite Data Model: A Unified Approach for Combining and
DatMng2015-58	Querying Multiple Data Models
	SERIMI: Class-Based Matching for Instance Matching Across Heterogeneous
DatMng2015-59	Datasets
DatMng2015-60	Learning Balanced and Unbalanced Graphs via Low-Rank Coding
DatMng2015-61	Active Learning for Ranking through Expected Loss Optimization
DatMng2015-62	Propagation of Data Fusion
DatMng2015-63	Reverse Nearest Neighbors in Unsupervised Distance-Based Outlier Detection
DatMng2015-64	Sparsity Learning Formulations for Mining Time-Varying Data
DatMng2015-65	Focal-Test-Based Spatial Decision Tree Learning
DatMng2015-66	Indexing Earth Mover's Distance over Network Metrics
DatMng2015-67	Top-k Similarity Join in Heterogeneous Information Networks
DatMng2015-68	Robust Model-Based Learning via Spatial-EM Algorithm
DatMng2015-69	Evolutionary Bayesian Rose Trees
DatMng2015-70	Domain Invariant Transfer Kernel Learning

DatMng2015-71	Non-Negative Matrix Factorization with Auxiliary Information on
Dativing2013-71	Overlapping Groups
DatMng2015-72	Relevance Feature Discovery for Text Mining
DatMng2015-73	Scalable Classification of Repetitive Time Series Through Frequencies of
	Local Polynomials
DatMng2015-74	Heterogeneous Environment Aware Streaming Graph Partitioning
DatMng2015-75	A Unifying Framework of Mining Trajectory Patterns of Various Temporal
Dativing2013-73	Tightness
DatMng2015-76	Probabilistic Word Selection via Topic Modeling
Do4Ma = 2015 77	A Unified Feature Selection Framework for Graph Embedding on High
DatMng2015-77	Dimensional Data
DatMng2015-78	Cluster-Based Boosting
DatMng2015-79	Trust Evolution: Modeling and Its Applications
DatMng2015-80	Discovery of Path Nearby Clusters in Spatial Networks
DatMng2015-81	TASC:Topic-Adaptive Sentiment Classification on Dynamic Tweets
DatMng2015-82	Pattern-based Topics for Document Modeling in Information Filtering
DatMng2015-83	Nonlinear Metric Learning with Kernel Density Estimation
DatMng2015-84	Improving Stability of Recommender Systems: A Meta-Algorithmic Approach
DatMng2015-85	A Similarity-Based Learning Algorithm Using Distance Transformation

CLOUD COMPUTING PROJECT LIST

CODE	PROJECT NAME
	FastRAQ: A Fast Approach to Range-Aggregate Queries in Big Data
CldCmp2015-1	Environments

	Adaptive Workflow Scheduling on Cloud Computing Platforms with
CldCmp2015-2	Iterative Ordinal Optimization
	An Efficient Green Control Algorithm in Cloud Computing for Cost
CldCmp2015-3	Optimization
	Aggressive Resource Provisioning for Ensuring QoS in Virtualized
CldCmp2015-4	Environments
	End-to-End Delay Minimization for Scientific Workflows in Clouds under
CldCmp2015-5	Budget Constraint
	A Secure Cloud Computing Based Framework for Big Data Information
CldCmp2015-6	Management of Smart Grid
	Deploying Large-Scale Datasets on-Demand in the Cloud: Treats and Tricks
CldCmp2015-7	on Data Distribution
	OPoR: Enabling Proof of Retrievability in Cloud Computing with Resource-
CldCmp2015-8	Constrained Devices
CldCmp2015-9	PRISM: Fine-Grained Resource-Aware Scheduling for Map Reduce
	Reactive Resource Provisioning Heuristics for Dynamic Dataflows on Cloud
CldCmp2015-10	Infrastructure
CldCmp2015-11	CHive: Bandwidth Optimized Continuous Querying in Distributed Clouds
	Recent Advances in Autonomic Provisioning of Big Data Applications on
CldCmp2015-12	Clouds
CldCmp2015-13	Stealthy Denial of Service Strategy in Cloud Computing
	Energy-Efficient Fault-Tolerant Data Storage and Processing in Mobile
CldCmp2015-14	Cloud
CldCmp2015-15	Placing Virtual Machines to Optimize Cloud Gaming Experience
CldCmp2015-16	Cloud Federations in the Sky: Formation Game and Mechanism
CldCmp2015-17	SelCSP: A Framework to Facilitate Selection of Cloud Service Providers
	Resisting Skew-Accumulation for Time-Stepped Applications in the Cloud
CldCmp2015-18	via Exploiting Parallelism
	A Scalable and Reliable Matching Service for Content-Based
CldCmp2015-19	Publish/Subscribe Systems

	FastRAQ: A Fast Approach to Range-Aggregate Queries in Big Data
CldCmp2015-20	Environments

DEPENDABLE AND SECURE COMPUTING PROJECT LIST

CODE	PROJECT NAME
	Collusion-Tolerable Privacy-Preserving Sum and Product Calculation
DepSec2015-1	without Secure Channel
	Secure Spatial Top-k Query Processing via Untrusted Location-Based
DepSec2015-2	Service Providers
	Secure Data Aggregation Technique for Wireless Sensor Networks in the
DepSec2015-3	Presence of Collusion Attacks
	Camouflage Traffic: Minimizing Message Delay for Smart Grid
DepSec2015-4	Applications under Jamming
	PRGA: Privacy-Preserving Recording & Gateway-Assisted Authentication
DepSec2015-5	of Power Usage Information for Smart Grid
DepSec2015-6	hBFT: Speculative Byzantine Fault Tolerance with Minimum Cost
	Behavior Rule Specification-Based Intrusion Detection for Safety Critical
DepSec2015-7	Medical Cyber Physical Systems
DepSec2015-8	A Computational Dynamic Trust Model for User Authorization
DepSec2015-9	Meeting Cardinality Constraints in Role Mining
DepSec2015-10	Secure Tag Search in RFID Systems Using Mobile Readers
	DDSGA: A Data-Driven Semi-Global Alignment Approach for Detecting
DepSec2015-11	Masquerade Attacks
DepSec2015-12	A Reliability Improvement Method for SOA-Based Applications
	VM-mCheckpoint: Design, Modeling, and Assessment of Lightweight In-
DepSec2015-13	Memory VM Check pointing
DepSec2015-14	Modeling Dependability Features for Real-Time Embedded Systems
	Performability Evaluation of Grid Environments Using Stochastic Reward
DepSec2015-15	Nets

DepSec2015-16	Context-Based Access Control Systems for Mobile Devices
	Improved Privacy-Preserving P2P Multimedia Distribution Based on
DepSec2015-17	Recombined Fingerprints
	Risk Aware Query Replacement Approach for Secure Databases
DepSec2015-18	Performance Management
DepSec2015-19	Key-Recovery Attacks on KIDS, a Keyed Anomaly Detection System
	A Lightweight Secure Scheme for Detecting Provenance Forgery and Packet
DepSec2015-20	Drop Attacks in Wireless Sensor Networks
DepSec2015-21	On the Security of A Privacy-Preserving Product Calculation Scheme
DepSec2015-22	Marlin: Mitigating Code Reuse Attacks Using Code Randomization
DepSec2015-23	Invalidating Idealized BGP Security Proposals and Countermeasures
DepSec2015-24	Fault Injection in Virtualized
	An OS-level Framework for Anomaly Detection in Complex Software
DepSec2015-25	Systems
DepSec2015-26	Time-Delayed Broadcasting for Defeating Inside Jammers
DepSec2015-27	On the Hardness of Adding Non masking Fault Tolerance
	Continuous and Transparent User Identity Verification for Secure Internet
DepSec2015-28	Services
DepSec2015-29	Directional Diagnosis for Wireless Sensor Networks
	Time-Sensitive Utility-Based Single-Copy Routing in Low-Duty-Cycle
DepSec2015-30	Wireless Sensor Networks
	Sherlock Is Around: Detecting Network Failures with Local Evidence
DepSec2015-31	Fusion
DepSec2015-32	An Efficient Distributed Trust Model for Wireless Sensor Networks
	Collusion-Tolerable Privacy-Preserving Sum and Product Calculation
DepSec2015-1	without Secure Channel

MOBILE COMPUTING PROJECT LIST

CODE	PROJECT NAME
MobCmp2015-1	An Empirical Evaluation of Security Indicators in Mobile Web Browsers

	Analysis of Smart Mobile Applications for Healthcare under Dynamic
MobCmp2015-2	Context Changes
MobCmp2015-3	Economic Analysis of 4G Upgrade Timing
	Game-Theoretic Topology Control for Opportunistic Localization in Sparse
MobCmp2015-4	Underwater Sensor Networks
MobCmp2015-5	Delay Bounds for Random Linear Coding in Parallel Relay Networks
MobCmp2015-6	Unlocking Smart Phone through Hand waving Biometrics
MobCmp2015-7	Pricing for Local and Global Wi-Fi Markets
	Semi-Distributed Backoff: Collision-Aware Migration from Random to
MobCmp2015-8	Deterministic Backoff
	Cooperation without Synchronization: Practical Cooperative Relaying for
MobCmp2015-9	Wireless Networks
MobCmp2015-	Throughput-Optimal Queue Length Based CSMA/CA Algorithm for
10	Cognitive Radio Networks
MobCmp2015-	Impact of Location Popularity on Throughput and Delay in Mobile Ad Hoc
11	Networks
MobCmp2015-	Joint Indoor Localization and Radio Map Construction with Limited
12	Deployment Load
MobCmp2015-	Incentive Mechanism Design for Heterogeneous Peer-to-Peer Networks: A
13	Stackelberg Game Approach
MobCmp2015-	Context-Aware QoE Modelling, Measurement, and Prediction in Mobile
14	Computing Systems
MobCmp2015-	Cooperative Load Balancing and Dynamic Channel Allocation for Cluster-
15	Based Mobile Ad Hoc Networks
MobCmp2015-	SWIMMING: Seamless and Efficient WiFi-Based Internet Access from
16	Moving Vehicles
MobCmp2015-	
17	Temporal Starvation in CSMA Wireless Networks
MobCmp2015-	
18	Scheduling in Wireless Networks with Rayleigh-Fading Interference

MobCmp2015-	Global Sensor Deployment and Local Coverage-Aware Recovery Schemes
19	for Smart Environments
MobCmp2015-	Minimum Energy Routing and Jamming to Thwart Wireless Network
20	Eavesdroppers
MobCmp2015-	Geospatial and Temporal Dynamics of Application Usage in Cellular Data
21	Networks
MobCmp2015-	
22	Towards Optimal Broadcast in Wireless Networks
MobCmp2015-	EMC3: Energy-Efficient Data Transfer in Mobile Crowd sensing under Full
23	Coverage Constraint
MobCmp2015-	
24	Accuracy Estimation for Sensor Systems
MobCmp2015-	Joint Spectral Efficiency and Power Allocation Optimization in IEEE
25	802.16m
MobCmp2015-	
26	Multicast Rendezvous in Fast-Varying DSA Networks
MobCmp2015-	
27	Capacity Augmentation in Wireless Mesh Networks
MobCmp2015-	Prioritized Optimal Channel Allocation Schemes for Multi-Channel
28	Vehicular Networks
MobCmp2015-	HORA: A Distributed Coverage Hole Repair Algorithm for Wireless Sensor
29	Networks
MobCmp2015-	
30	ROFF: RObust and Fast Forwarding in Vehicular Ad-Hoc Networks
MobCmp2015-	Resource Allocation for Dynamic Intra-Cell Subcarrier Reuse in Cooperative
31	OFDMA Wireless Networks
MobCmp2015-	How Shadowing Hurts Vehicular Communications and How Dynamic
32	Beaconing Can Help
MobCmp2015-	
33	An Approach Toward Fast Gradient-Based Image Segmentation

MobCmp2015-	An Operations Research Game Approach for Resource and Power Allocation
34	in Cooperative Femtocell Networks
MobCmp2015-	
35	High-Throughput Reliable Multicast in Multi-Hop Wireless Mesh Networks
MobCmp2015-	Mobile Data Gathering with Load Balanced Clustering and Dual Data
36	Uploading in Wireless Sensor Networks
MobCmp2015-	On the Energy Efficiency of Device Discovery in Mobile Opportunistic
37	Networks: A Systematic Approach
MobCmp2015-	Power-Aware Computing in Wearable Sensor Networks: An Optimal Feature
38	Selection
MobCmp2015-	Privacy-Preserving and Truthful Detection of Packet Dropping Attacks in
39	Wireless Ad Hoc Networks
MobCmp2015-	Quality of Contributed Service and Market Equilibrium for Participatory
40	Sensing
MobCmp2015-	
41	Self-Organizing Resource Management Framework in OFDMA Femtocells
MobCmp2015-	
42	Towards Maximizing Timely Content Delivery in Delay Tolerant Networks
MobCmp2015-	
43	Toward Practical MAC Design for Underwater Acoustic Networks
MobCmp2015-	Interference-Based Topology Control Algorithm for Delay-Constrained
44	Mobile Ad Hoc Networks
MobCmp2015-	Exact and Approximation Algorithms for Optimal Equipment Selection in
45	Deploying In-Building Distributed Antenna Systems
MobCmp2015-	
46	To Stay or To Switch: Multiuser Multi-Channel Dynamic Access
MobCmp2015-	Forwarding Redundancy in Opportunistic Mobile Networks Investigation,
47	Elimination and Exploitation
MobCmp2015-	Distortion-Aware Concurrent Multipath Transfer for Mobile Video
48	Streaming in Heterogeneous Wireless Networks

SEMANTIC WEB PROJECT LIST

	Automatic Composition of Semantic Web Services Based on Fuzzy
SemWeb2015-1	Predicate Petri Nets
	A Semantic IoT Early Warning System for Natural Environment Crisis
SemWeb2015-2	Management
	A Keyword Recommendation Experiment to Support Information
SemWeb2015-3	Organization and Folksonomies in Edu-AREA
	Knowledge Model for Electric Power Big Data Based on Ontology and
SemWeb2015-4	Semantic Web
	RoboEarth Semantic Mapping: A Cloud Enabled Knowledge-Based
SemWeb2015-5	Approach
SemWeb2015-6	Unified Data Model for Wireless Sensor Network
	Ontology-Based Schema to Support Maintenance Knowledge Representation
SemWeb2015-7	With a Case Study of a Pneumatic Valve
SemWeb2015-8	Composing Data Services with Uncertain Semantics
	P-Finder: Reconstruction of Signaling Networks from Protein-Protein
SemWeb2015-9	Interactions and GO Annotations
SemWeb2015-10	S-WOLF: Semantic Workplace Learning Framework
	An Incremental and Distributed Inference Method for Large-Scale
SemWeb2015-11	Ontologies Based on MapReduce Paradigm
	A Fuzzy Preference Tree-Based Recommender System for Personalized
SemWeb2015-12	Business-to-Business E-Services
SemWeb2015-13	Keyword Search Over Probabilistic RDF Graphs
	Network-Based Modeling and Intelligent Data Mining of Social Media for
SemWeb2015-14	Improving Care
	Semantic-Based Location Recommendation With Multimodal Venue
SemWeb2015-15	Semantics
SemWeb2015-16	Wikipedia-Based Semantic Similarity Measurements for Noisy Short Texts

	Using Extended Naive Bayes
	Automatic Composition of Semantic Web Services Based on Fuzzy
SemWeb2015-17	Predicate Petri Nets

