**IEEE PROJECT LIST 2016-2017**

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| **DOTNET** | | | |
| **DOMAIN: CLOUD COMPUTING** | | |  |
| 1 | VTDCC01 | Attribute-Based Data Sharing Scheme Revisited in Cloud Computing | 2016 |
| 2 | VTDCC02 | Systematic Data Placement Optimization in Multi-Cloud Storage for Complex Requirements | 2016 |
| 3 | VTDCC03 | Achieving Simple, Secure and Efficient Hierarchical Access Control in Cloud Computing | 2016 |
| 4 | VTDCC04 | Enabling Cloud Storage Auditing With Verifiable Outsourcing of Key Updates | 2016 |
| 5 | VTDCC05 | Providing User Security Guarantees in Public Infrastructure Clouds | 2016 |
| 6 | VTDCC06 | PHE: An Efficient Traitor Tracing and Revocation for Encrypted File Syncing-and-Sharing in Cloud | 2016 |
| 7 | VTDCC07 | TMACS: A Robust and Verifiable Threshold Multi-Authority Access Control System in Public Cloud Storage | 2016 |
| 8 | VTDCC08 | Monetary Cost Optimizations for Hosting Work flow-as-a- Service in IAAS Clouds | 2016 |
| 9 | VTDCC09 | Secure Data De-duplication with Dynamic Ownership Management inCloud Storage | 2016 |
| 10 | VTDCC10 | Workflow Scheduling in Multi-Tenant Cloud Computing Environments | 2016 |
| 11 | VTDCC11 | Probabilistic Optimization of Resource Distribution and Encryption for Data Storagein the Cloud | 2016 |
| 12 | VTDCC12 | Auto Elastic: Automatic Resource Elasticity for High Performance Applications in the Cloud | 2016 |
| 13 | VTDCC13 | A Survey of Proxy Re-Encryption for Secure Data Sharing in Cloud Computing | 2016 |
| 14 | VTDCC14 | Malware Detection inCloud Computing Infrastructures | 2016 |
| 15 | VTDCC15 | Packet Cloud: a Cloudlet-based Open Platform for In-network Services | 2016 |
| 16 | VTDCC16 | KSF-OABE: Outsourced Attribute-Based Encryption with Keyword Search Function for Cloud Storage | 2016 |
| 17 | VTDCC17 | An Efficient File Hierarchy Attribute-Based Encryption Scheme in Cloud Computing | 2016 |
| 18 | VTDCC18 | Identity-Based Encryption with Cloud Revocation Authority and Its Applications | 2016 |
| 19 | VTDCC19 | Online Resource Scheduling Under Concave Pricing for Cloud Computing | 2016 |
| 20 | VTDCC20 | Skyline Discovery and Composition of Multi-Cloud Mash-up Services | 2016 |
| **DOMAIN: DATAMINING** | | |  |
| 21 | VTDDM01 | On the Privacy and Performance of Mobile Anonymous Microblogging | 2016 |
| 22 | VTDDM02 | Aspect-level Influence Discovery from Graphs | 2016 |
| 23 | VTDDM03 | User Preference Learning for Online Social Recommendation | 2016 |
| 24 | VTDDM04 | Microblogging Content Propagation Modeling UsingTopicspecific Behavioral Factors | 2016 |
| 25 | VTDDM05 | Privacy-Preserving Outsourced Association Rule Miningon Vertically Partitioned Databases | 2016 |
| 26 | VTDDM06 | Pattern Based Sequence Classification | 2016 |
| 27 | VTDDM07 | Mining Health Examination Records — A Graph-based Approach | 2016 |
| 28 | VTDDM08 | Privacy-Preserving and Regular Language Search over Encrypted Cloud Data | 2016 |
| 29 | VTDDM09 | An Efficient Privacy-Preserving Ranked Keyword Search Method | 2016 |
| 30 | VTDDM10 | A Recommendation System to Facilitate Business Process Modeling | 2016 |
| 31 | VTDDM11 | A Mixed Generative-Discriminative Based Hashing Method | 2016 |
| 32 | VTDDM12 | Listwise Learning to Rank by Exploring Structure of Objects | 2016 |
| 33 | VTDDM13 | Rating Prediction based on Social Sentiment from Textual Reviews | 2016 |
| 34 | VTDDM14 | A Novel Recommendation Model Regularized with User Trust and Item Ratings | 2016 |
| 35 | VTDDM15 | Connecting Social Media to E-Commerce: Cold-Start Product Recommendation using Microblogging Information | 2016 |
| **DOMAIN: GRID COMPUTING** | | |  |
| 36 | VTDGC01 | Energy Storage Sharing in Smart Grid: A ModifiedAuction-Based Approach | 2016 |
| **DOMAIN: IMAGE PROCESSSING** | | |  |
| 37 | VTDIM01 | Instance-Aware Hashing for Multi-Label Image Retrieval | 2016 |
| 38 | VTDIM02 | Saliency-Aware Nonparametric Foreground Annotation Based on Weakly Labeled Data | 2016 |
| 39 | VTDIM03 | Tag Based Image Search by Social Re-ranking | 2016 |
| 40 | VTDIM04 | Semantic Concept Co-occurrence Patterns for Image Annotation and Retrieval | 2016 |
| 41 | VTDIM05 | Social Diffusion Analysis with Common-Interest Model for Image Annotation | 2016 |
| **DOMAIN: MULTIMEDIA** | | |  |
| 42 | VTDMM01 | Frame Interpolation for Cloud-Based Mobile Video Streaming | 2016 |
| 43 | VTDMM02 | Securing SIFT: Privacy-preserving Outsourcing Computation of Feature Extractions over Encrypted Image Data | 2016 |
| 44 | VTDMM03 | Towards Cost-Efficient Content Placement in Media Cloud: Modeling and Analysis | 2016 |
| 45 | VTDNW01 | STARS Computing Corps: Enhancing Engagement of Underrepresented Students and Building Community in Computing | 2016 |
| 46 | VTDNW02 | Secure Transmission Against Pilot Spoofing Attack: A Two-Way Training-Based Scheme | 2016 |
| 47 | VTDNW03 | A Feasible IP Trace back Framework through Dynamic Deterministic Packet Marking | 2016 |
| 48 | VTDNW04 | Simultaneously Generating Secret and Private Keys in a Cooperative Pair wise Independent Network | 2016 |
| 49 | VTDNW05 | Trust-distortion Resistant Trust Management Frameworks on Mobile Ad hoc Networks: A Survey | 2016 |
| 50 | VTDNW06 | Sociality-aided new adaptive infection recovery schemes for multicast DTNs | 2016 |
| 51 | VTDNW07 | Sustainability of Service Provisioning Systems under Stealth DoS Attacks | 2016 |
| **DOMAIN: NETWORK SECURITY** | | |  |
| 52 | VTDNS01 | Detecting Malicious Facebook Applications | 2016 |
| 53 | VTDNS02 | Reversible Data Hiding: Advances in the Past Two Decades | 2016 |
| 54 | VTDNS03 | An Efficient Privacy-Preserving Outsourced Calculation Toolkits with Multiple Keys | 2016 |
| 55 | VTDNS04 | Conjunctive Keyword Search with Designated Tester and Timing Enabled Proxy Re-encryption Function for E-health Clouds | 2016 |
| 56 | VTDNS05 | Efficient Anonymous Message Submission | 2016 |
| 57 | VTDNS06 | Personalized Influential Topic Search via Social Network Summarization | 2016 |
| 58 | VTDNS07 | Profiling Online Social Behaviors for Compromised Account Detection | 2016 |
| **DOMAIN: SOFTWARE ENGINEERING** | | |  |
| 59 | VTDSW01 | Multi-Role Project (MRP): A New Project-Based Learning Method for STEM | 2016 |
| 60 | VTDSW02 | Heuristics for provisioning services to workflows in XaaS Clouds | 2016 |
| 61 | VTDSW03 | Metamorphic Testing for Software Quality Assessment: A Study of Search Engines | 2016 |
| **DOMAIN: MOBILE COMPUTING** | | | |
| 62 | VTDMC01 | Optimal Capacity-Delay Tradeoff in MANET’s with Correlation of Node Mobility | 2016 |
| 63 | VTDMC02 | Towards Information Diffusion in Mobile Social Networks. | 2016 |