

PROJECT TITLES 2011

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REVIEW MATERIALS FORMAT

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| REVIEW | FORMAT |
| 0TH | * TITLE DESCRIPTION * ABSTRACT * EXISTING SYSTEM * LIMITATIONS OF EXISTING SYSTEM * PROPOSED SYSTEM. * ADVANTAGES OF PROPOSED SYSTEM. * PROCESS FLOW DIAGRAMS FOR EXISTING AND PROPOSED SYSTEM. * H/W & S/W (WITH PPT). * KEYTERMS. * REFERENCE PAPERS. |
| 1ST | * SCOPE OF THE PROJECT. * INTRODUCTION. * MODULES WITH DESCRIPTION. * UML DIAGRAMS. * E-R DIAGRAMS. * DATA FLOW DIAGRAMS AND SYSTEM ARCHITECTURE. * TECHNIQUES AND ALGORITHM USED CONCLUSION. * FIRST MODULE EXECUTABLE CODING WITH VIDEO TUTORIAL. |
| 2ND | * SECOND AND THIRD MODULE EXECUTABLE CODING WITH VIDEO TUTORIAL |
| 3RD | * REST OF THE MODULES EXECUTABLE CODING WITH VIDEO TUTORIAL. |
| FINAL | * FULL PROJECT CODING, DATABASE WITH VIDEO TUTORIAL AND FULL DOCUMENTATION. |

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**About Sunzine :**

Sunzine Solutions is an inventive, software and hardware-led solutions provider. With a core team of well-qualified professionals representing diverse functional areas such as Information Technology, Embedded Systems and advanced digital signal processing (DSP), we understand the students’ needs, and develop their quality of professional life by simply making the technology readily usable for them. We Practice exclusively in image processing, simulation, optimization, customization and system integration. Our project methodology includes techniques for initiating a project, developing the requirements, making clear assignments to the project team, developing a dynamic schedule, reporting status to executives and problem solving.

In today's competitive environment, students want to ensure that they are getting guidance in an organization that can meet their professional needs. With our well equipped team of solid Information Systems Professionals, who study, design, develop, enhance, customize, implement, maintain and support various aspects of Information Technology, students can be sure that Sunzine is just that sort of organization.

**Project Guidance**

We are providing project guidance for students in all technology and domain by assisting the students in research and development sector. In our training session, we share our technical thoughts and exposure on your area of research to bring best output. As we are exposed with a number of real time projects, guidance from us will be very helpful to students who are aspiring for academic **Project** work.

As a part, for benefit to students, our team provides the efficient training and a solution .Our team first emphasizes is to, give excellent training by providing them the desired infrastructure.

Guidance to give real time exposure for Students/Trainees and to provide cost effective, technology independent, good quality reusable Intellectual Property cores with quality and cost factor are our important constraints so as to satisfy our customers ultimately. We develop and continuously evaluate systems so as to pursue quality in all our deliverables. At our team, we are completely dedicated to customer’s requirements. Our products are designed and devoted to empower their competitive edge and help them succeed.

JAVA

INTRODUCTION TO JAVA:

Java is an object-oriented, platform independent programming language derives much of its syntax from C and C++. Java is designed to be small, simple, and portable across platforms and operating systems. It is a complete software ecosystem that represents different values to different types of consumer and business users. Java is used to develop executable, distributed applications for delivery to a Java-enabled Web browser or the Java Interpreter.

Why to use java?

Java brings interactivity into the Web

Java technology is applicable for all kind of businesses, mobile devices and PC desktops

Platform independence - It works in most cases flawlessly. It has significantly improved over the years. Some other languages / platform offers some degree of platform independence too. However in Java it is without pain. I develop on Windows and yet deploy on Linux regularly without any issues ever.

Security - Java was designed with security in mind. It provides super solid libraries for all your security requirements. Security in Java was nowhere an afterthought like many other languages.

J

AVA

RESEARCH AND CONFERENCE ORIENTED TITLES (IEEE-2011)

**DOMAIN: KNOWLEDGE AND DATA ENGINEERING**

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| --- | --- | --- | --- |
| SINO | PROJECT  CODE | TITLES | YEAR |
| 1. | SZJDM01 | Experience Transfer for the Configuration Tuning in Large-Scale Computing Systems | 2011 |
| 2. | SZJDM02 | Answering Frequent Probabilistic Inference Queries in Databases | 2011 |
| 3. | SZJDM03 | Constrained Skyline Query Processing against Distributed Data Sites | 2011 |
| 4. | SZJDM04 | Design and Implementation of an Intrusion Response System for Relational Databases | 2011 |
| 5. | SZJDM05 | Efficient Techniques for Online Record Linkage | 2011 |
| 6. | SZJDM06 | Energy Time Series Forecasting Based on Pattern Sequence Similarity | 2011 |
| 7. | SZJDM07 | Anonymous Publication of Sensitive Transactional Data | 2011 |
| 8. | SZJDM08 | Privacy-Preserving OLAP: An Information-Theoretic Approach | 2011 |
| 9. | SZJDM09 | Ranking Spatial Data by Quality Preferences | 2011 |
| 10. | SZJDM10 | Usher: Improving Data Quality with Dynamic Forms | 2011 |

**DOMAIN: MOBILE COMPUTING**

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| SINO | PROJECT  CODE | TITLES | YEAR |
| 1. | SZJMC01 | An Improved Geocast for Mobile Ad Hoc Networks | 2011 |
| 2. | SZJMC02 | Analysis of Best Channel Feedback and Its Adaptive Algorithms for Multicarrier Wireless Data Systems | 2011 |
| 3. | SZJMC03 | Data Delivery Properties of Human Contact Networks | 2011 |
| 4. | SZJMC04 | Dynamic Conflict-Free Transmission Scheduling for Sensor Network Queries | 2011 |
| 5. | SZJMC05 | Efficient Data Collection in Wireless Sensor Networks with Path-Constrained Mobile Sinks | 2011 |
| 6. | SZJMC06 | Fast Detection of Mobile Replica Node Attacks in Wireless Sensor Networks Using Sequential Hypothesis Testing | 2011 |
| 7. | SZJMC07 | Minimum Bandwidth Reservations for Periodic Streams in Wireless Real-Time Systems | 2011 |
| 8. | SZJMC08 | Processing Continuous Range Queries with Spatiotemporal Tolerance | 2011 |
| 9. | SZJMC09 | Secure High-Throughput Multicast Routing in Wireless Mesh Networks | 2011 |
| 10. | SZJMC10 | Stealthy Attacks in Wireless Ad Hoc Networks: Detection and Countermeasure | 2011 |

**DOMAIN: IMAGE PROCESSING**

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| SINO | PROJECT  CODE | TITLES | YEAR |
| 1. | SZJIP01 | A New Hybrid Method for Image Approximation Using the Easy Path Wavelet Transform | 2011 |
| 2. | SZJIP02 | Graph Cuts for Curvature Based Image Denoising | 2011 |
| 3. | SZJIP03 | Human Motion Tracking by Temporal-Spatial  Local Gaussian Process Experts | 2011 |
| 4. | SZJIP04 | Image Denoising in Mixed Poisson–Gaussian Noise | 2011 |
| 5 | SZJIP05 | Practical Bounds on Image Denoising:From Estimation to Information | 2011 |

**DOMAIN: MULTIMEDIA**

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| SINO | PROJECT  CODE | TITLES | YEAR |
| 1. | SZJMM01 | Interactive Image Segmentation With Multiple Linear Reconstructions in Windows | 2011 |
| 2. | SZJMM02 | Semi-Automatic Tagging of Photo Albums via Exemplar Selection and Tag Inference | 2011 |
| 3. | SZJMM03 | Collaborative Face Recognition for Improved Face Annotation in Personal Photo Collections Shared on Online Social Networks | 2011 |
| 4. | SZJMM04 | Reduced-Reference Image Quality Assessment Using Reorganized DCT-Based Image Representation | 2011 |
| 5. | SZJMM05 | Perceptually Guided Fast Compression of 3-D Motion Capture Data | 2011 |

**DOMAIN: DEPENDABLE AND SECURE COMPUTING AND NETWORK SECURITY**

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| SINO | PROJECT  CODE | TITLES | YEAR |
| 1. | SZJNS01 | A Stochastic Model for Quantitative Security Analyses of Networked Systems | 2011 |
| 2. | SZJNS02 | Deadlock-Free Adaptive Routing in Meshes with Fault-Tolerance Ability Based on Channel Overlapping | 2011 |
| 3. | SZJNS03 | Automated Derivation of Application-Aware Error Detectors Using Static Analysis: The Trusted Illiac Approach | 2011 |
| 4. | SZJNS04 | Balancing Revocation and Storage Trade-Offs  in Secure Group Communication | 2011 |
| 5. | SZJNS05 | Nymble: Blocking Misbehaving Users in Anonymizing Networks | 2011 |
| 6. | SZJNS06 | Detecting Kernel-Level Rootkits Using Data Structure Invariants | 2011 |
| 7. | SZJNS07 | Improving Security and Performance in the Tor Network through Tunable Path Selection | 2011 |
| 8. | SZJNS08 | Prime: Byzantine Replication under Attack | 2011 |
| 9. | SZJNS09 | PriPAYD: Privacy-Friendly Pay-As-You-Drive Insurance | 2011 |
| 10. | SZJNS10 | ELMO: Energy Aware Local Monitoring in Sensor Networks | 2011 |

**DOMAIN: PARALLEL AND DISTRIBUTED COMPUTING**

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| SINO | PROJECT  CODE | TITLES | YEAR |
| 1. | SZJPD01 | Traceback of DDoS Attacks Using Entropy Variations | 2011 |
| 2. | SZJPD02 | Multispanning Tree Zone-Ordered Label-Based Routing Algorithms for Irregular Networks | 2011 |
| 3. | SZJPD03 | Joint Optimization of Complexity and Overhead for the Routing in Hierarchical Networks | 2011 |
| 4. | SZJPD04 | Passive Network Performance Estimation for Large-Scale, Data-Intensive Computing | 2011 |
| 5 | SZJPD05 | Supporting Scalable and Adaptive Metadata Management in Ultralarge-Scale File Systems | 2011 |

**DOMAIN: DISTRIBUTED NETWORKING**

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| SINO | PROJECT  CODE | TITLES | YEAR |
| 1. | SZJNW01 | A Unified Approach to Optimizing Performance in Networks Serving Heterogeneous Flows | 2011 |
| 2. | SZJNW02 | Cross-Layer Jamming Detection and Mitigation in Wireless Broadcast Networks | 2011 |
| 3. | SZJNW03 | Delay-Optimal Opportunistic Scheduling and Approximations: The Log Rule | 2011 |
| 4. | SZJNW04 | Energy-Efficient Protocol for Cooperative Networks | 2011 |
| 5. | SZJNW05 | Fast Simulation of Service Availability in Mesh Networks With Dynamic Path Restoration | 2011 |
| 6. | SZJNW06 | How Bad Are Selfish Investments in Network Security? | 2011 |
| 7. | SZJNW07 | Improved Bounds on the Throughput Efficiency of Greedy Maximal Scheduling in Wireless Networks | 2011 |
| 8. | SZJNW08 | Maelstrom: Transparent Error Correction for Communication Between Data Centers | 2011 |
| 9. | SZJNW09 | Star-Block Design in Two-Level Survivable Optical Networks | 2011 |
| 10. | SZJNW10 | Towards Systematic Design of Enterprise Networks | 2011 |

**DOMAIN: SOFTWARE ENGINEERING**

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| SINO | PROJECT  CODE | TITLES | YEAR |
| 1. | SZJSE01 | Plat\_Forms: A Web Development Platform Comparison by an Exploratory Experiment Searching for Emergent Platform Properties | 2011 |
| 2. | SZJSE02 | Bristlecone: Language Support for Robust Software Applications | 2011 |
| 3. | SZJSE03 | An Attack Surface Metric | 2011 |
| 4. | SZJSE04 | Improving Source Code Lexicon via Traceability and Information Retrieval | 2011 |
| 5. | SZJSE05 | Which Crashes Should I Fix First?:Predicting Top Crashes at an Early Stage to Prioritize Debugging Efforts | 2011 |

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**AVA**

**APPLICATION ORIENTED TITLE (JAVA/J2EE/J2ME)**

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| **SINO** | **PROJECT**  **CODE** | **TITLES** | **YEAR** |
| 1 | SZJA01 | PROGRESSIVE PARAMETRIC QUERY OPTIMIZATION | 2011 |
| 2 | SZJA02 | A GENERIC LOCAL ALGORITHM FOR MINING DATA STREAMS IN LARGE DISTRIBUTED SYSTEMS | 2011 |
| 3 | SZJA03 | A RELATION-BASED PAGE RANK ALGORITHM FOR SEMANTIC WEB SEARCH ENGINES | 2011 |
| 4 | SZJA04 | GLIP: A CONCURRENCY CONTROL PROTOCOL FOR CLIPPING INDEXING | 2011 |
| 5 | SZJA05 | VIDEO EVENT CLASSIFICATION AND IMAGE SEGMENTATION BASED ON NONCAUSAL MULTIDIMENSIONAL HIDDEN MARKOV MODELS | 2011 |
| 6 | SZJA06 | SECURITY ANALYSIS OF THE SASI PROTOCOL | 2011 |
| 7 | SZJA07 | FLEXIBLE ROLLBACK RECOVERY IN DYNAMIC HETEROGENEOUS GRID COMPUTING | 2011 |
| 8 | SZJA08 | INTRUTION DETECTION IN NETWORK SECURITY | 2011 |
| 9 | SZJA09 | CRYPTANALYSIS OF A GENERALIZED RING SIGNATURE SCHEME | 2011 |
| 10 | SZJA10 | PDCS: SECURITY AND PRIVACY SUPPORT FOR DATA-CENTRIC SENSOR NETWORKS | 2011 |
| 11 | SZJA11 | NO-REFERENCE VIDEO QUALITY MONITORING FOR H.264/AVC CODED VIDEO | 2011 |
| 12 | SZJA12 | DIFFERENTIATED BANDWIDTH ALLOCATION WITH TCP PROTECTION IN CORE ROUTERS | 2011 |
| 13 | SZJA13 | NODE ISOLATION MODEL AND AGE-BASED NEIGHBOR SELECTION IN UNSTRUCTURED P2P NETWORKS | 2011 |
| 14 | SZJA14 | A TRAFFIC ENGINEERING APPROACH FOR PLACEMENT AND SELECTION OF NETWORK SERVICES | 2011 |
| 15 | SZJA15 | MULTIPLE ROUTING CONFIGURATION FOR FAST IP NETWORK RECOVERY | 2011 |
| 16 | SZJA16 | MITIGATING DENIAL-OF-SERVICE ATTACKS ON THE CHORD OVERLAY NETWORK: A LOCATION HIDING APPROACH | 2011 |
| 17 | SZJA17 | MULTIPATH DISSEMINATION IN REGULAR MESH TOPOLOGIES | 2011 |
| 18 | SZJA18 | DYNAMIC ROUTING WITH SECURITY CONSIDERATIONS | 2011 |
| 19 | SZJA19 | SIMPLISTIC WAY TO FIND FILE SHARING AND GIFT GIVING | 2011 |
| 20 | SZJA20 | RESOURCE MANAGEMENT USING QUIVER | 2011 |
| 21 | SZJA21 | EVALUATION OF THE EFFICACY OF FEC CODING FOR COMBATING NETWORK PACKET LOSSES USING A MODEL-BASED APPROACH | 2011 |
| 22 | SZJA22 | TECHNIQUE FOR FINDING SHORTEST PATH IN CONSTRAINED NETWORK | 2011 |
| 23 | SZJA23 | LESS-STRUCTURED P2P SYSTEM DESIGNING FOR EXPECTED HIGH CHURN | 2011 |
| 24 | SZJA24 | IMPROVING ACTIVE PACKET LOSS MEASUREMENT USING A GEOMETRIC APPROACH | 2011 |
| 25 | SZJA25 | MULTIPLE CONFLICTING INFORMATION PROVIDERS  FOR TRUTH DISCOVERY ON WEB | 2011 |
| 26 | SZJA26 | EFFICIENT ACCESS TO HIGH DIMENSIONAL DATABASES-AN INDEX BASED APPROACH | 2011 |
| 27 | SZJA27 | DETECTION AND PROJECTING OF MULTI ATTRIBUTE TRANSACTIONAL DATA | 2011 |
| 28 | SZJA28 | FAST ACCESS AND RETRIEVAL OF TEMPORAL PATTERNS-INDEX BASED APPROACH | 2011 |
| 29 | SZJA29 | INTER-DOMAIN PACKET FILTER-A APPROACH TO MIGRATE IP SPOOFING | 2011 |
| 30 | SZJA30 | DATA TRANSFER IN NETWORK USING INTERMEDIARIES –EFFICIENT AND CONFIDENTIAL APPROACH | 2011 |
| 31 | SZJA31 | FAULT PREDICTION IN OBJECT-ORIENTED SYSTEM USING CONCEPTUAL COHESION OF CLASSES | 2011 |
| 32 | SZJA32 | IMAGE RECONSTRUCTION-GAUSSIAN APPROACH | 2011 |
| 33 | SZJA33 | CFA (LOSSLESS COMPRESSION SCHEME FOR BAYER) COLOR FILTER ARRAY IMAGES | 2011 |
| 34 | SZJA34 | SHAPE DESCRIPTION IN MULTI SCALE EDGE FIELD | 2011 |
| 35 | SZJA35 | PERFORMANCE DEGRADATION AND ELIMINATING THEM-SENSOR NETWORK | 2011 |
| 36 | SZJA36 | DATA TRANSFER USING SOCKETS- A MULTI TASK APPROACH | 2011 |
| 37 | SZJA37 | BUG TRACING METHOD-A NOVEL APPROACH | 2011 |
| 38 | SZJA38 | LAN COMMUNICATION-AN EFFICIENT APPROACH | 2011 |
| 39 | SZJA39 | LORD OF LINKS | 2011 |
| 40 | SZJA40 | COLLUSIVE PIRACY PREVENTION IN P2P CONTENT DELIVERY NETWORK | 2011 |

DOTNET

INTRODUCTION TO DOTNET

.Network Environment Tools

Framework is designed to interact with two irrespective languages. An application written in VB .NET can reference a DLL file written in C# or a C# application can refer to a resource written in VC++, etc. This cross-language compatibility is possible due to common language runtime.

Real Time Applications & Advantages of .Net

In real time, applications can be created for any kind of industries and it is used resourcefully. For example

* Management details of an organization.
* Web site based applications.
* Create software in both internet and intranet

The .NET Framework offers a number of advantages

* Write once, run everywhere
* Multiple programming languages (44+)
* Coding Reduction
* Ease of Deployment
* Security(Code access, Evidence-based, Role-based)
* Cryptography

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OTNET

RESEARCH AND CONFERENCE ORIENTED TITLES (IEEE-2011)

**DOMAIN: KNOWLEDGE AND DATA ENGINEERING**

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| SINO | PROJECT  CODE | TITLES | YEAR |
| 1. | SZDDM01 | A Dual Framework and Algorithms for Targeted Online Data Delivery | 2011 |
| 2. | SZDDM02 | Making Aggregation Work in Uncertain and Probabilistic Databases | 2011 |
| 3. | SZDDM03 | Authenticated Multistep Nearest Neighbor Search | 2011 |
| 4. | SZDDM04 | Differential Privacy via Wavelet Transforms | 2011 |
| 5. | SZDDM05 | A Personalized Ontology Model for Web Information Gathering | 2011 |
| 6. | SZDDM06 | Intertemporal Discount Factors as a Measure of  Trustworthiness in Electronic Commerce | 2011 |
| 7. | SZDDM07 | IR-Tree: An Efficient Index for Geographic Document Search | 2011 |
| 8. | SZDDM08 | Mining Group Movement Patterns for Tracking Moving Objects Efficiently | 2011 |
| 9. | SZDDM09 | TEXT: Automatic Template Extraction From Heterogeneous Web Pages | 2011 |
| 10. | SZDDM10 | Seeking Quality of Web Service Composition in a Semantic Dimension | 2011 |

**DOMAIN: MOBILE COMPUTING**

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| SINO | PROJECT  CODE | TITLES | YEAR |
| 1. | SZDMC01 | A Medium Access Control Scheme for Wireless LANs with Constant-Time Contention | 2011 |
| 2. | SZDMC02 | A Privacy-Preserving Location Monitoring System for Wireless Sensor Networks | 2011 |
| 3. | SZDMC03 | Breath: An Adaptive Protocol for Industrial Control Applications Using Wireless Sensor Networks | 2011 |
| 4. | SZDMC04 | Dynamic Time Slot Partitioning for Multimedia Transmission in Two-Hop Cellular Networks | 2011 |
| 5. | SZDMC05 | Expected Routing Overhead for Location Service in MANETs under Flat Geographic Routing | 2011 |
| 6 | SZDMC06 | MAP: Multiauctioneer Progressive Auction for Dynamic Spectrum Access | 2011 |
| 7 | SZDMC07 | Optimal Stochastic Location Updates in Mobile Ad Hoc Networks | 2011 |
| 8 | SZDMC08 | Scalable Localization with Mobility Prediction for Underwater Sensor Networks | 2011 |
| 9 | SZDMC09 | Secret Key Establishment Using Temporally and Spatially Correlated Wireless Channel Coefficients | 2011 |
| 10 | SZDMC10 | Towards Zero Retransmission Overhead: A Symbol Level Network Coding Approach to Retransmission | 2011 |

**DOMAIN: IMAGE PROCESSING**

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| SINO | PROJECT CODE | TITLES | YEAR |
| 1. | SZDIP01 | Active Learning for Solving the Incomplete Data  Problem in Facial Age Classification by the  Furthest Nearest-Neighbor Criterion | 2011 |
| 2. | SZDIP02 | Contextual Kernel and Spectral Methods for Learning  the Semantics of Images | 2011 |
| 3. | SZDIP03 | Goal-Oriented Rectification of Camera-Based  Document Images | 2011 |
| 4. | SZDIP04 | Spatiotemporal Localization and Categorization of  Human Actions in Unsegmented Image Sequences | 2011 |
| 5. | SZDIP05 | From Tiger to Panda: Animal Head Detection | 2011 |

**DOMAIN: MULTIMEDIA**

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| SINO | PROJECT  CODE | TITLES | YEAR |
| 1. | SZDMM01 | Text-Video Completion Using Structure Repair and Texture Propagation | 2011 |
| 2. | SZDMM02 | Learning Visual Contexts for Image Annotation From Flickr Groups | 2011 |
| 3. | SZDMM03 | Fast Visual Retrieval Using Accelerated Sequence Matching | 2011 |
| 4. | SZDMM04 | Effective Semantic Annotation by Image-to-Concept Distribution Model | 2011 |
| 5. | SZDMM05 | Effective Pseudonoise Sequence and Decoding Function for Imperceptibility and Robustness Enhancement in Time-Spread Echo-Based Audio Watermarking | 2011 |

**DOMAIN: DEPENDABLE AND SECURE COMPUTING & NETWORK SECURITY**

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| SINO | PROJECT  CODE | TITLES | YEAR |
| 1. | SZDNS01 | Shifting Inference Control to User Side: Architecture and Protocol | 2011 |
| 2. | SZDNS02 | Providing e-Transaction Guarantees in Asynchronous Systems with No Assumptions on the Accuracy of Failure Detection | 2011 |
| 3. | SZDNS03 | Mechanism Design-Based Secure Leader Election Model  for Intrusion Detection in MANET | 2011 |
| 4. | SZDNS04 | An Obfuscation-Based Approach for Protecting Location Privacy | 2011 |
| 5. | SZDNS05 | CASTLE: Continuously Anonymizing Data Streams | 2011 |
| 6. | SZDNS06 | Adaptive Fault-Tolerant QoS Control Algorithms for Maximizing System Lifetime of Query-Based  Wireless Sensor Networks | 2011 |
| 7. | SZDNS07 | A Policy Enforcing Mechanism for Trusted Ad Hoc Networks | 2011 |
| 8. | SZDNS08 | Robust Correlation of Encrypted Attack Traffic through Stepping Stones by Flow Watermarking | 2011 |
| 9. | SZDNS09 | Runtime Defense against Code Injection Attacks Using Replicated Execution | 2011 |
| 10. | SZDNS10 | Distributed Detection of Clone Attacks in Wireless Sensor Networks | 2011 |

**DOMAIN: PARALLEL AND DISTRIBUTED COMPUTING**

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| SINO | PROJECT  CODE | TITLES | YEAR |
| 1. | SZDPD01 | Rumor Riding: Anonymizing Unstructured Peer-to-Peer Systems | 2011 |
| 2. | SZDPD02 | Load Balance with Imperfect Information in Structured Peer-to-Peer Systems | 2011 |
| 3. | SZDPD03 | The Small World of File Sharing | 2011 |
| 4. | SZDPD04 | Chunk Distribution in Mesh-Based Large-Scale P2P Streaming Systems: A Fluid Approach | 2011 |
| 5. | SZDPD05 | Energy Conscious Scheduling for Distributed Computing Systems under Different Operating Conditions | 2011 |

**DOMAIN: DISTRIBUTED NETWORKING**

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| SINO | PROJECT  CODE | TITLES | YEAR |
| 1. | SZDNW01 | A Simple Model for Chunk-Scheduling Strategies in P2P Streaming | 2011 |
| 2. | SZDNW02 | An Optimal Algorithm for Relay Node Assignment in Cooperative Ad Hoc Networks | 2011 |
| 3. | SZDNW03 | Architecture and Abstractions for Environment and Traffic-Aware System-Level Coordination of Wireless Networks | 2011 |
| 4. | SONW04 | Continuous Neighbor Discovery in Asynchronous Sensor Networks | 2011 |
| 5. | SZDNW05 | Efficient Multipath Communication for Time-Critical Applications in Underwater Acoustic Sensor Networks | 2011 |
| 6. | SZDNW06 | Forward Correction and Fountain Codes in Delay-Tolerant Networks | 2011 |
| 7. | SZDNW07 | Jamming-Aware Traffic Allocation for Multiple-Path Routing Using Portfolio Selection | 2011 |
| 8. | SZDNW08 | Optimal Anycast Technique for Delay-Sensitive Energy-Constrained Asynchronous Sensor Networks | 2011 |
| 9. | SZDNW09 | Predictive Resource Management of Multiple Monitoring Applications | 2011 |
| 10. | SZDNW10 | The Limit of Information Propagation Speed in Large-Scale Multihop Wireless Networks | 2011 |

**DOMAIN: SOFTWARE ENGINEERING**

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| SINO | PROJECT  CODE | TITLES | YEAR |
| 1. | SZDSE01 | From UML to Petri Nets:The PCM-Based Methodology | 2011 |
| 2. | SZDSE02 | Semi-Proving: An Integrated Method for Program Proving, Testing, and Debugging | 2011 |
| 3. | SZDSE03 | Automatically Detecting and Tracking Inconsistencies in Software Design Models | 2011 |
| 4. | SZDSE04 | Efficient Consistency Measurement Based on Behavioral Profiles of Process Models | 2011 |
| 5. | SZDSE05 | The Awareness Network, To Whom Should I Display My Actions? And, Whose Actions Should I Monitor? | 2011 |

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| **SINO** | **PROJECT CODE** | **TITLES WINDOWS APPLICATION TITLES** | **YEAR** |
| 1. | SZDA01 | SOFTCUTS: A SOFT EDGE SMOOTHNESS PRIOR FOR COLOR IMAGE SUPER-RESOLUTION | 2011 |
| 2. | SZDA02 | THE EFFECTIVENESS OF CHECKSUMS FOR EMBEDDED CONTROL NETWORKS | 2011 |
| 3. | SZDA03 | CONSISTENCY MANAGEMENT STRATEGIES FOR DATA REPLICATION IN MOBILE AD HOC NETWORKS | 2011 |
| 4. | SZDA04 | MESSAGE AUTHENTICATION IN COMPUTATIONALLY CONSTRAINED ENVIRONMENTS | 2011 |
| 5. | SZDA05 | ON THE PLANNING OF WIRELESS SENSOR NETWORKS: ENERGY-EFFICIENT CLUSTERING UNDER THE JOINT ROUTING AND COVERAGE CONSTRAINT | 2011 |
| 6. | SZDA06 | ROUTING IN DELAY-TOLERANT NETWORKS COMPRISING HETEROGENEOUS NODE POPULATIONS | 2011 |
| 7. | SZDA07 | A TRAFFIC ENGINEERING APPROACH FOR PLACEMENT AND SELECTION OF NETWORK SERVICES | 2011 |
| 8. | SZDA08 | RESEQUENCING ANALYSIS OF STOP-AND-WAIT ARQ FOR PARALLEL MULTICHANNEL COMMUNICATIONS | 2011 |
| 9. | SZDA09 | ON THE TIME SYNCHRONIZATION OF DISTRIBUTED LOG FILES IN NETWORKS WITH LOCAL BROADCAST MEDIA | 2011 |
| 10. | SZDA10 | EXPLICIT LOAD BALANCING TECHNIQUE FOR NGEO SATELLITE IP NETWORKS WITH ON-BOARD PROCESSING CAPABILITIES | 2011 |
| 11. | SZDA11 | ON UNBIASED SAMPLING FOR UNSTRUCTURED PEER-TO-PEER NETWORKS | 2011 |
| 12. | SZDA12 | THE DESIGN TRADE-OFFS OF BITTORRENT-LIKE FILE SHARING PROTOCOLS | 2011 |
| 13. | SZDA13 | OBLIVIOUS ROUTING OF HIGHLY VARIABLE TRAFFIC IN SERVICE OVERLAYS  AND IP BACKBONES | 2011 |
| 14. | SZDA14 | LEARNING IMAGE-TEXT ASSOCIATIONS | 2011 |
| 15. | SZDA15 | HISTOGRAM-BASED GLOBAL LOAD BALANCING IN STRUCTURED PEER-TO-PEER SYSTEMS | 2011 |

DOTNET APPLICATION ORIENTED TITLES

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| 16. | SZDA16 | A TRANSMISSION CONTROL SCHEME FOR MEDIA ACCESS IN SENSOR NETWORK | 2011 |
| 17. | SZDA17 | EVALUATING THE VULNERABILITY OF NETWORK TRAFFIC USING JOINT SECURITY AND ROUTING ANALYSIS | 2011 |
| 18. | SZDA18 | DYNAMIC VERSUS STATIC TRAFFIC POLICING: A NEW APPROACH FOR VIDEOCONFERENCE TRAFFIC OVER WIRELESS CELLULAR NETWORKS | 2011 |
| 19. | SZDA19 | ANALYZING THE SIGNALING STATUS OF NETWORK TRAFFIC IRREGULARITIES | 2011 |
| 20. | SZDA20 | DATA MANAGEMENT IN ACQUISITIONED ENVIRONMENT BY MEANS OF PROBABILISTIC MODELS | 2011 |
| 21. | SZDA21 | UNTRUSTED OPERATING SYSTEMS IMPLEMENTATION ON THE CONVICTED HARDWARE | 2011 |
| 22. | SZDA22 | EVALUTING THE EFFECT OF A OBJECT ORIENTAL SOFTWARE | 2011 |
| 23. | SZDA23 | IMAGE RECOVERY VIA TOTAL VARIATION & MINIMIZATION METHOD | 2011 |
| 24. | SZDA24 | DIGITAL WATERMARKING FOR TAMPER PROOFING AND AUTHENTICATION IN IMAGES | 2011 |
| 25. | SZDA25 | MODELING AND ANALYSIS OF AN EFFICIENT MULTICAST MECHANISM | 2011 |
| 26. | SZDA26 | CO-OPERATING CATCHING BY MOBILE CLIENTS IN PUSH BASED INFORMATION SYSTEMS | 2011 |
| 27. | SZDA27 | EFFICIENT CONTENT DELIVERY IN MOBILE AD-HOC NETWORKS | 2011 |
| 28. | SZDA28 | ENLIGHTMENT OF AUTOMOBILES MANAGEMENT SYSTEMS | 2011 |
| 29. | SZDA29 | ESTIMATING COMMERCIAL ACTIVITY MANAGEMENT SYSTEMS | 2011 |
| 30. | SZDA30 | ASESMENT REPORT THROUGH DISTRIBUTED NETWORKING | 2011 |
| 31. | SZDA31 | AUTOMATIC ACCUMULATION AND RECUPERATE SCHDULER | 2011 |

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| 32. | SZDA32 | PRO CURING PACKET SWITCHED DATA TRANSMISSION USING ENCODING & DECODING TECHNIQUES | 2011 |
| 33. | SZDA33 | USER CONVERSATION THROUGH INTRANET | 2011 |
| 34. | SZDA34 | ANONYMOUS PACKETS TRACING RELATING THE ESTIMATED SOURCE | 2011 |
| 35. | SZDA35 | HIGH SPEED SWITCH SCHEDULING FOR LOCAL AREA NETWORKS | 2011 |
| 36. | SZDA36 | ENGLISH TO SPANISH TRANSLATION OF SIGNBOARD IMAGES FROM MOBILE PHONE CAMERA | 2011 |
| 37. | SZDA37 | SECURITY IMPLEMENTATION IN COOPERATION CACHE WIRELESS NETWORKS | 2011 |
| 38. | SZDA38 | PRIVACY PRESERVING DATAMINING | 2011 |
| 39. | SZDA39 | INFORMATION CONTENT-BASED SENSOR SELECTION AND TRANSMISSION POWER ADJUSTMENT FOR COLLABORATIVE TARGET | 2011 |
| 40 | SZDA40 | HIERARICHAL KEY MANAGEMENT SCHEME FOR WIRELESS SENSOR NETWORKS | 2011 |

**WEB APPLICATION**

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| **SINO** | **PROJECT CODE** | **TITLES** | **YEAR** |
| 1. | SZDW01 | INTERACTIVE CORRECTION AND RECOMMENDATION FOR COMPUTER LANGUAGE LEARNING AND TRAINING | 2011 |
| 2. | SZDW02 | IMPROVING PERSONALIZATION SOLUTIONS THROUGH OPTIMAL SEGMENTATION OF CUSTOMER BASES | 2011 |
| 3. | SZDW03 | NNEXUS: AN AUTOMATIC LINKER FOR COLLABORATIVE WEB-BASED CORPORA | 2011 |
| 4. | SZDW04 | EVALUVATING META-SEARCH ENGINE MERGE ALGORITHMS | 2011 |
| 5. | SZDW05 | MINING E-COMMERCE DATA TO ANALYZE CUSTOMER BEHAVIOUR | 2011 |
| 6. | SZDW06 | NOVEL WEIGHTED GRAPH BASED GROUPING ALGORITHM FOR METADATA PREFETCHING | 2011 |
| 7. | SZDW07 | ONLINE AUTOMATION OF JEWELLS IN ALL SORT OF CARS | 2011 |
| 8. | SZDW08 | AN ADVANCED DISTRIBUTED APPROACH TO SURMOUNT THE OVERLAY MISMATCHING PROBLEMS | 2011 |
| 9. | SZDW09 | HIGH PERFORMANCE DATA STREAM PROCESSING ON A NOVAL HARDWARE ENHANCED FRAMEWORK | 2011 |
| 10. | SZDW10 | ONLINE COMPETENT WEB SERVICE AHEAD OF COMPONENT BASED COMPUTING | 2011 |
| 11. | SZDW11 | TWO CONTROLLED EXPERIMENTS CONTAINING THE COMPARISSON OF PAIR,PROGRAMMING TO PEER REVIEW | 2011 |
| 12. | SZDW12 | STRUCTURE ANALYSIS OF GAME VIDEOS USING DOMAIN MODELS | 2011 |
| 13. | SZDW13 | WEBSITE GUIDING SYSTEMS FOR ORGANIZATION | 2011 |
| 14. | SZDW14 | ONLINE CUSTOMER RELATIONSHIP MANAGEMENT SYSTEMS | 2011 |
| 15. | SZDW15 | PRACTICAL MANAGEMENT AND STANDARD ADMINISTRATIVE SYSTEM | 2011 |
| 16. | SZDW16 | ONLINE -NET BANKING SYSTEMS ENHANCING INTERNET BASED RESEARCH PROGRAM | 2011 |
| 17. | SZDW17 | EDUCATIONAL PROGRAM AND ASSESMENT THROUGH INTERNET | 2011 |
| 18 | SZDW18 | ENHANCING INTERNET BASE RESEARCH PROGRAM | 2011 |
| 19 | SZDW19 | ONLINE MANAGEMENT OF INCOME TAX SERVICES SYSTEM | 2011 |
| 20 | SZDW20 | ONLINE BOOKING FOR OIL & NATURAL GAS AGENCIES | 2011 |
| 21 | SZDW21 | ONLINE CUSTOMER EVALUATING & RANKING SYSTEMS | 2011 |
| 22 | SZDW22 | ONLINE DISTRIBUTED DATA CALENDRING SYSTEMS | 2011 |
| 23 | SZDW23 | ONLINE TOURISM MANAGEMENT SYSTEM | 2011 |

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| **SINO** | **PROJECT**  **CODE** | **TITLES** | **YEAR** |
| 1 | SZP01 | STUDY ABROAD based on THE best critics | 2011 |
| 2 | SZP02 | EDUCATIONAL SERVICES based on THE job offers | 2011 |
| 3 | SZP03 | TRANSPORT services based on popular places and city | 2011 |
| 4 | SZP04 | HOTEL MANAGEMENT offers services based on the reviews and rank. | 2011 |
| 5 | SZP05 | HR MANAGEMENT with busniess case study, ORANZATIONAL SERVICES Towards business goal | 2011 |
| 6 | SZP06 | SEA MARKET materials for e-commerce | 2011 |
| 7 | SZP07 | DATABASE distributors among trust agent | 2011 |
| 8 | SZP08 | CONSTRUCTIONAL MATERIALS for business trading. | 2011 |
| 9 | SZP09 | PRAGMATIC PRINTING books for bookworm | 2011 |
| 10 | SZP10 | SHOPPING CART – TEXTTILE industry | 2011 |
| 11 | SZP11 | SIGNUP in multi website based on similar web content | 2011 |
| 12 | SZP12 | CRIME POLICE department database. | 2011 |
| 13 | SZP13 | JEWELLS CART E-commerce | 2011 |
| 14 | SZP14 | BABY BEDDING materials based on age group | 2011 |
| 15 | SZP15 | SOFTWARE SOLUTIONS FOR DOMAIN problem | 2011 |
| 16 | SZP16 | ELECTRONICS PRODUCTS for industrial needs | 2011 |
| 17 | SZP17 | MATRIMONIALS services based on indivdual category | 2011 |
| 18 | SZP18 | PRAYER SERVICES | 2011 |
| 19 | SZP19 | LANGUAGES ACADEMY FOR ABROAD | 2011 |

**PHP ORIENTED APPLICATION TITLES**