Papers by Session

The 3rd IEEE Asia-Pacific Services Computing Conference (IEEE APSCC 2008)

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Papers by Session

Grid, P2P and Cooperative Computing Technologies

- **Aeolus: Reconcilable Key Management Mechanism for Secure Group Communication in Grid**
  Yunfa Li, Xiangha Xu, Jian Wan, Hai Jin, and Zongfen Han

- **Persistent Workflow on the Grid**
  Lamine M. Aouad, Nhien-An Le-Khac, and Tahar Kechadi

- **Optimizing the Execution Time of the SLA-based Workflow in the Grid with Parallel Processing Technology**
  Dang Minh Quan, Jörn ALtmann, and Laurence T. Yang

- **VGID: A Virtual Hierarchical Distributed Grid Information Database**
  Zhang Haihui, Zhou Xingshe, Yang Zhiyi, Wu Xiaojun, and Fu Ning

- **GA-Based Job Scheduling Strategies for Fault Tolerant Grid Systems**
  Chao-Chin Wu, Kuan-Chou Lai, and Ren-Yi Sun

- **Runtime Prediction Based Grid Scheduling of Parameter Sweep Jobs**
  Sam Verboven, Peter Hellinckx, Frans Arickx, and Jan Broeckhove

- **An Adaptive Chunk Self-Scheduling Scheme on Service Grid**
  Peifeng Li, Qin Ji, Yuhua Zhang, and Qiaoming Zhu

Papers by Session

❑ **Crossing Heterogeneous Grid Systems with a Single Sign-On Scheme Based on a P2P Layer**
   Yuan-Chin Wen, Chia-Hung Chen, and Sheng-De Wang

❑ **A Small World Architecture for P2P Networks**
   Yuhua Liu, Hongcai Chen, Chun Yang, and Huaqiang Pan

❑ **Extending HLA/RTI to WAN Based on Grid Service**
   Liu Hong, Hu Wan, Yu Wang, Xueguang Chen, and Deqing Zou

❑ **Study on Network Architecture for Traffic Information Collection Systems Based on RFID Technology**
   Mijeom Kim, Jinsoo Park, Jaeyoung Oh, Hakjin Chong, and Yoonkee Kim

❑ **A Formal Approach to Verify Grid Service Composition Based on Interaction Pattern**
   Wencai Guo and Chuang Lin

❑ **Design and Implementation of Job Migration Policies in P2P Grid Systems**
   Shih-Jie Lin, Min-Chun Huang, Kuan-Chou Lai, and Kuo-Chan Huang

Papers by Session

❑ **Five Dimension Environmental Data Resource Brokering on Computational Grids and Scientific Clouds**
  G. Giunta, G. Laccetti, and R. Montella

❑ **BonjourGrid as a Decentralised Job Scheduler**
  Heithem Abbes, Christophe Cérin, and Mohamed Jemni

❑ **A Policy-Based Accountability Tool for Grid Computing Systems**
  Anna Cinzia Squicciarini, Wonjun Lee, Elisa Bertino, and Carol X. Song

❑ **An Online Credential Management Service for InterGrid Computing**
  Jemal H. Abawajy

Papers by Session

Trustworthy/Security/Privacy Computing

- **Security of Mobile Agent-Based Web Applications**
  Chung-Ming Ou, C.R. Ou, and Yao-Tien Wang

- **Zero-Configuration Security Module for LAMP Application System**
  Shann-Chiuen Wu, Yung-Chung Ku, and Tzao-Lin Lee

- **Integration and Implementation of Secured IP Based Surveillance Networks**
  Charles C. Castello, Jeffrey Fan, Te-Shun Chou, and Hong-Ming Kuo

- **Trusted Assessment of Web Services Based on a Six-Dimensional QoS Model**
  Nan Guo, Tianhan Gao, and Bin Zhang

Papers by Session

Multimedia Services and Intelligent Systems

- **Efficient Decoding of Systematic (41, 21, 9) Quadratic Residue Code**
  Y.H. Chen, C.D. Lee, C.H. Chien, and S.H. Tai

- **Deciding the Number of Color Histogram Bins for Vehicle Color Recognition**
  Ku-Jin Kim, Sun-Mi Park, and Yoo-Joo Choi

- **Modeling the Examinee Ability on the Computerized Adaptive Testing Using Adaptive Network-Based Fuzzy Inference System**
  Cha-Hwa Lin, Kai-Pei Chen, and Chih-Hung Tsai

- **P2P Service-Oriented Community Coordinated Multimedia: Modeling Multimedia Applications as Web Services and Experience**
  Jiehan Zhou, Mika Rautiainen, and Mika Ylianttila

- **A Novel Approach to Quantify Novelty Levels Applied on Ubiquitous Music Distribution**
  Marcelo Keese Albertini, Kuan-Ching Li, and Rodrigo Fernandes de Mello
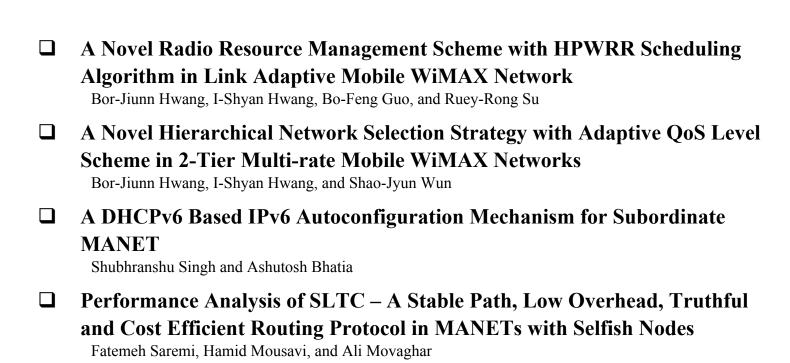
Papers by Session

Wireless, Sensor and Ad Hoc Networks

❑ **Markov Chain-Based Trust Model for Analyzing Trust Value in Distributed Multicasting Mobile Ad Hoc Networks**
Ben-Jye Chang, Szu-Liang Kuo, Ying-Hsin Liang, and De-Yu Wang

❑ **An Overlay Multicast Protocol for Multimedia Applications in Mobile Ad Hoc Networks**
Marjan Naderan Tahan, Hamid R. Rabiee, Fatemeh Saremi, and Zeinab Iranmanesh

❑ **Hierarchical Genetic Algorithms for Channel Allocation in Wireless Networks**
Yao-Tien Wang, Chung- Ming Ou, and Hsiang-Fu Yu

❑ **An Adjustable Target Coverage Method in Directional Sensor Networks**
Uei-Ren Chen, Bo-Sheng Chiou, Jyun-Ming Chen, and Woei Lin

❑ **Discovering and Selecting Reliable Service in Mobile Ad Hoc Networks**
Weiyu Chen, Weiwei Sun, Jiaqi Dong, Zhouyao Zhang, and Yingxiao Xu

❑ **Efficient Broadcast Authentication in Wireless Sensor Networks**
Zhiqiang Du, Kun Wang, and Lihua Zhou

Papers by Session

Mobile/Network Computing

❑ **Distributed Fuzzy Score-Based Clustering Algorithm for Mobile Ad Hoc Networks**
   Sahar Adabi, Sam Jabbehdari, Ali Rezaee, and Sepideh Adabi

❑ **An Efficient Rekeying Scheme for Multicast and Broadcast (M&B) in Mobile WiMAX**
   Hung-Min Sun, Shih-Ying Chang, Shuai-Min Chen, and Chien-Chien Chiu

❑ **Secure and Efficient Handover Schemes for Heterogeneous Networks**
   Hung-Min Sun, Shuai-Min Chen, Yao-Hsin Chen, Heng-Jeng Chung, and I-Hung Lin

❑ **Dynamic Subscription Permission: Extending the Depth of Demand-Controlled Flooding**
   Doug Lundquist and Aris Ouksel

❑ **Modeling and Analyzing the Instantaneous Stability for Application Layer Multicast**
   Jijun Cao, Jinshu Su, and Chunqing Wu

Papers by Session

- **A Novel Radio Resource Management Scheme with HPWRR Scheduling Algorithm in Link Adaptive Mobile WiMAX Network**
  Bor-Jiunn Hwang, I-Shyan Hwang, Bo-Feng Guo, and Ruey-Rong Su

- **A Novel Hierarchical Network Selection Strategy with Adaptive QoS Level Scheme in 2-Tier Multi-rate Mobile WiMAX Networks**
  Bor-Jiunn Hwang, I-Shyan Hwang, and Shao-Jyun Wun

- **A DHCPv6 Based IPv6 Autoconfiguration Mechanism for Subordinate MANET**
  Shubhranshu Singh and Ashutosh Bhatia

- **Performance Analysis of SLTC – A Stable Path, Low Overhead, Truthful and Cost Efficient Routing Protocol in MANETs with Selfish Nodes**
  Fatemeh Saremi, Hamid Mousavi, and Ali Movaghar

Papers by Session

Cluster, Parallel and Distributed Computing

- ❑ **Parallel Loop Self-Scheduling for Heterogeneous Cluster Systems with Multi-core Computers**
  Chao-Chin Wu, Lien-Fu Lai, and Po-Hsun Chiu

- ❑ **Scheduling Deadline-Constrained Checkpointing on Virtual Clusters**
  Blaise Omer Yenke, Jean-François Mehaut, and Maurice Tchuente

- ❑ **Web Services for MPI-Based Parallel Applications on a Rocks Cluster**
  Pitch Sajjipanon and Sudsanguan Ngamsuriyaroj

- ❑ **Effectively Deploying Virtual Machines on Cluster**
  Song Wu, Jinyan Yuan, Wei Gao, Xuanhua Shi, and Hai Jin

Papers by Session

Service Composition, Management and Applications

❑ **A Cost Model for Participating Roles Based on Choreography Semantics**
Ravi Shankar Pandey and B.D. Chaudhary

❑ **Formal Semantics and Verification of BPMN Transaction and Compensation**
Tsukasa Takemura

❑ **On Novel Economic-Inspired Centrality Measures in Weighted Networks**
Yufeng Wang and Akihiro Nakao

❑ **Building Quick Service Query List Using Wordnet for Automated Service Composition**
Kaijun Ren, Jinjun Chen, Nong Xiao, Junqiang Song, and Jinyang Li

❑ **Enterprise Interaction Ontology for Change Impact Analysis of Complex Systems**
Aman Kumar, Preethi Raghavan, Jay Ramanathan, and Rajiv Ramnath

❑ **Design and Implementation of a Low Cost DNS-Based Load Balancing Solution for the SIP-Based VoIP Service**
Jenq-Shiou Leu, Hui-Ching Hsieh, Yen-Chiu Chen, and Yuan-Po Chi

Papers by Session

- **Timing Constraints Specification and Verification for Web Service Compositions**
  Guilan Dai, Rujuab Liu, Chongchong Zhao, and Changjun Hu

- **A Study in the Affect and Cognition of Consumers on Blog Usage**
  Yung-Chih Yen, Tung-Lin Chuang, Chia-Chen Yen, and Jih-shih Hsu

- **Combinatorial Reverse Auction Based on Lagrangian Relaxation**
  Fu-Shiung Hsieh and Shih-Min Tsai

- **On Information Lifecycle Management**
  Sabah Al-Fedaghi

- **A Rewriting Logic Approach to OWL-S Composite Process Formal Specification**
  JunFeng Wu and HuaiKou Miao

- **Dynamic Reliable Service Routing in Enterprise Service Bus**
  Bin Wu, Shijun Liu, and Lei Wu

- **Decentralized Execution of Composite Service in MANETs**
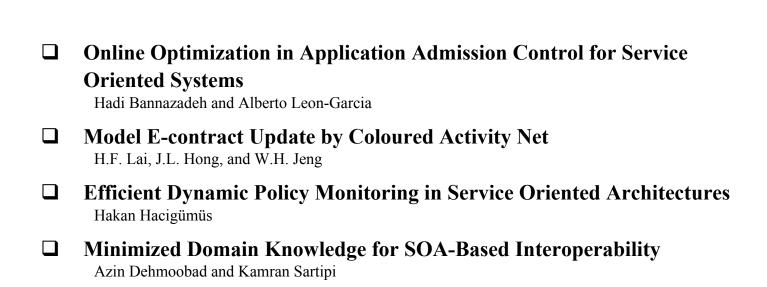 Weiwei Sun, Zhuoyao Zhang, Weiyu Chen, Bo Peng, and Yingxiao Xu

Papers by Session

❑ **Composite Service Recovery Based on LSP Tunnel Recovery**
   Yingxiao Xu and Weiwei Sun

❑ **Computer-Aided Privacy Requirements Elicitation Technique**
   Seiya Miyazaki, Nancy Mead, and Justin Zhan

❑ **Autonomic Model for Service-Aware Storage**
   Zhaobin Liu, Wenyu Qu, and Keqiu Li

Papers by Session

Service Oriented Architecture and Modeling

- **Scenario Analysis of the Mobile Voice Services Market**
  Hannu Verkasalo, Kim Lindqvist, and Heikki Hämmäinen

- **A Hybrid Method for k-Anonymization**
  Jun-Lin Lin, Meng-Cheng Wei, Chih-Wen Li, and Kuo-Chiang Hsieh

- **An Integrated Telecom and IT Service Delivery Platform**
  Xu Shao, Teck Yoong Chai, Teck Kiong Lee, Lek Heng Ngoh, Luying Zhou, and Markus Kirchberg

- **Semantic Web Service Discovery and Composition Based on AI Planning and Web Service Modeling Ontology**
  Sayed Gholam Hassan Tabatabaei, Wan Mohd Nasir Wan Kadir, and Suhaimi Ibrahim

- **A New Approach to Web Services Characterization**
  Yan Liu, Mingguang Zhuang, Qingling Wang, and Guannan Zhang

- **Using Logically Hierarchical Meta Web Services to Support Accountability in Mashup Services**
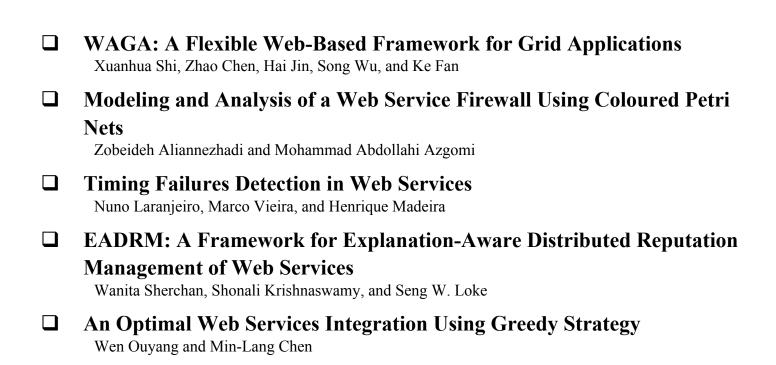 Ali Khalili and Shahriar Mohammadi

Papers by Session

❑ **The Process Conducting and Member Audit in the Distributed Enterprise Modeling**
   Cai Zhiming and Yin Jun

❑ **Service-Oriented Reliable Problem Solving Environment for Scientific Computation**
   Cancan Liu, Weimin Zhang, Zhigang Luo, Hai Liu, and Lin Xiao

❑ **Virtual Prairie: Going Green with Volunteer Computing**
   Malek Smaoui, Marc Garbey, and Cendrine Mony

❑ **Provision of Pedagogical Resources in Service-Oriented Instructional Environments**
   I-Ching Chen, Shueh-Cheng Hu, and Dong-Her Shih

❑ **Influencing Models in Automated One-to-Many Negotiation**
   Kapil Kapani and Arobinda Gupta

❑ **Abstract State Machine Models for Basic Service-Oriented Architectures**
   Markus Kirchberg

Papers by Session

❑ **The Development of a Ubiquitous Geographic Information Service by Using Service-Oriented Architecture**
   Sheng-Ming Wang and Fu-Mei Chen

❑ **Resource Selection Strategies for a CNP-Based Resource Management Model**
   Chien-Min Wang, Hsi-Min Chen, Chun-Chen Hsu, and Jonathan Lee

❑ **A Tale of Clouds: Paradigm Comparisons and Some Thoughts on Research Issues**
   Lijun Mei, W.K. Chan, and T.H. Tse

❑ **Resource Sharing by Multilingual Expression Services**
   Masaki Gotou, Hirofumi Yamaki, Daisuke Yanagisawa, Masamitsu Ukai, Masahiro Tanaka, and Toru Ishida

❑ **Modeling Web Services Composition with Transaction Extension for Performance Evaluation**
   Yanxiang He, Liang Zhao, Zhao Wu, and Fei Li

Papers by Session

❑ **Online Optimization in Application Admission Control for Service Oriented Systems**
   Hadi Bannazadeh and Alberto Leon-Garcia

❑ **Model E-contract Update by Coloured Activity Net**
   H.F. Lai, J.L. Hong, and W.H. Jeng

❑ **Efficient Dynamic Policy Monitoring in Service Oriented Architectures**
   Hakan Hacigümüs

❑ **Minimized Domain Knowledge for SOA-Based Interoperability**
   Azin Dehmoobad and Kamran Sartipi

Papers by Session

Web Services, Technologies and Applications

- **Web 2.0 Toolbar: Providing Web 2.0 Services for Existence Web Pages**
  Ming-Chih Hsieh, Yung-Wei Kao, and Shyan-Ming Yuan

- **A Web Mining Architectural Model of Distributed Crawler for Internet Searches Using PageRank Algorithm**
  Animesh Tripathy and Prashanta K. Patra

- **SHTM: A Semantic Hierarchy Transaction Model for Web Services Transactions**
  Yingyuan Xiao and Hua Zhang

- **A Formal Basis for Cross-Checking ebXML BPSS Choreography and Web Service Orchestration**
  W.L. Yeung

- **Adaptive Learning Sequencing for Course Customization: A Web Service Approach**
  Ivan Madjarov and Abdelkader Betari

- **Towards Service Supervision for Public Web Services**
  Masahiro Tanaka, Yohei Murakami, and Toru Ishida

Papers by Session

❑ **WAGA: A Flexible Web-Based Framework for Grid Applications**
Xuanhua Shi, Zhao Chen, Hai Jin, Song Wu, and Ke Fan

❑ **Modeling and Analysis of a Web Service Firewall Using Coloured Petri Nets**
Zobeideh Aliannezhadi and Mohammad Abdollahi Azgomi

❑ **Timing Failures Detection in Web Services**
Nuno Laranjeiro, Marco Vieira, and Henrique Madeira

❑ **EADRM: A Framework for Explanation-Aware Distributed Reputation Management of Web Services**
Wanita Sherchan, Shonali Krishnaswamy, and Seng W. Loke

❑ **An Optimal Web Services Integration Using Greedy Strategy**
Wen Ouyang and Min-Lang Chen

Papers by Session

Ubiquitous/Pervasive Computing/RFID Technologies

- **PSMP: A Fast Self-Healing and Self-Organizing Pervasive Service Management Protocol for Smart Home Environments**
  Chun-Feng Liao, Ya-Wen Jong, and Li-Chen Fu

- **Design of MyServer: A Residential Server in Smart Home Systems**
  Wei-Chung Teng, Yu-Chun Pao, and Sheng-Luen Chung

- **Analysis of Context-Aware Network Selection Schemes for Power Savings**
  Pravin Pawar, Bert-Jan van Beijnum, Hermie Hermens, and Dimitri Konstantas

- **Hide and Not Easy to Seek: A Hybrid Weaving Strategy for Context-Aware Service Provision in a Smart Home**
  Ching-Hu Lu, Yung-Ching Lin, and Li-Chen Fu

- **An RFID Encoding Method for Supply Chain Management**
  Kuen-Fang Jea and Jen-Ya Wang

- **Varying Pseudonyms-Based RFID Authentication Protocols with DOS Attacks Resistance**
  Hung Yu Chien

Papers by Session

❑ **DOS Attacks on Varying Pseudonyms-Based RFID Authentication Protocols**

Hung-Yu Chien

Papers by Session

Poster Papers (I)

❑ **The Design of Intelligent Sensor Network Based on Grid Structure**
Fu-Chien Kao, Yun-Sheng Tsai, Andy S. Chiou, Shinping R. Wang, and Chang-Yu Huang

❑ **Adding Quality of Service Extensions to the Associativity Based Routing Protocol for Mobile Ad Hoc Networks (MANET)**
Ayman Mansour Murad, Bassam Al-Mahadeen, and Nuha Mansour Murad

❑ **Secure and Survivable Group Communication over MANET Using CRTDH Based on a Virtual Subnet Model**
Md. Aminul Haque Chowdhury, Muhammad Ikram, and Ki-Hyung Kim

❑ **Improving the Survivability of WSNs with Biological Characters Based on Rejuvenation Technology**
Wei Wei, Yong Qi, Xin He, Wei Wang, Ruidong Li, and Hui He

❑ **AIR: Agent and Ontology-Based Information Retrieval Architecture for Mobile Grid**
Yue-Shan Chang, Yu-Cheng Luo, and Pei-Chun Shih

❑ **The Mechanism and Requirements for Detecting the Cross-Service Attack**
Seung-Hee Oh, Deok Gyu Lee, and Jongwook Han

Papers by Session

❑ **Understanding Cyber Trust Using a Triadic Functioning Analysis**
Wen-Kung Lin, Chieh-Peng Lin, and Chou-Kang Chiu

❑ **Effective Security Safeguard Selection Process for Return on Security Investment**
Do Hoon Kim, Taek Lee, and Hoh Peter In

❑ **Towards the Interoperability between GTRS and EUMEDGRID**
Heithem Abess, Roberto Barbera, Mohamed Jemni, and Sadok Mazigh

❑ **A Passive Geographical Routing Protocol in VANET**
Guangtao Xue, Jinsheng Feng, and Minglu Li

❑ **Efficient Bit-Parallel Multipliers in Composite Fields**
Chiou-Yng Lee and Pramod Kumar Meher

❑ **Implementation of a Security Access Control Model for Inter-organizational Healthcare Information Systems**
Hongmei Chi, Edward L. Jones, and Lang Zhao

Papers by Session

Poster Papers (II)

❑ **Research on Ontology Component Description Model Based on the Semantic Web**
   Wenjing Li, Yucheng Guo, Weizhi Liao, and Rongwei Hang

❑ **Hierarchical Routing Architecture for Integrating IPv4 and IPv6 Networks**
   Huai-Jen Liu and Pang-Shih Liu

❑ **An Load Balancing Strategy of FTP Server-Cluster Based on JXTA**
   Linlan Liu, Jian Shu, Binquan Chen, and Shuangjian Liang

❑ **An Integrated Service Model for Telecare System**
   Chin-Hsing Chen, Wen-Tzeng Huang, You-Yin Chen, and Yuan-Jen Chang

❑ **How "Hard Science" and Engineering Enhance Service-Dominant Economy**
   Morrakot Raweewan and William G. Ferrell Jr.

❑ **A Staged Capability Improvement Model for Software Small and Medium Enterprises (SMEs)**
   Moiz Qyser A.A., S. Ramachandram, and Asshar Farhan

Papers by Session

❑ **Detecting Media Format Support of the Media Renderer with Microsoft DirectShow**
Chih-Yung Wang, Chun-Yi Tsai, and Tzao-Lin Lee

❑ **The Skills of Electronic Commerce for Students in Departments of Business Management in University Science and Technological Schools**
Chun-Mei Chou, Chien-Hua Shen, and Yu-Je Lee

❑ **A 3D Model Retrieval System Using the Derivative Elevation and 3D-ART**
Jau-Ling Shih, Ting-Yen Huang, and Yu-Chen Wang

❑ **On the Studies of Syllable Segmentation and Improving MFCCs for Automatic Birdsong Recognition**
Chih-Hsun Chou, Pang-Hsin Liu, and Bingjing Cai

❑ **Fusion of Static and Transitional Information of Cepstral and Spectral Features for Music Genre Classification**
Chang-Hsing Lee, Jau-Ling Shih, Kun-Ming Yu, Hwai-San Lin, and Ming-Hui Wei

Papers by Session

The 2008 International Symposium on Modeling, Assembly and Management for Service Oriented Engineering (MamSOE-08)

Papers by Session

Cluster, Grid, P2P and Cooperative Computing Technologies

- ❑ **Extending BPEL2.0 for Grid-Based Scientific Workflow Systems**
  Huajian Zhang, Xiaoliang Fan, Ruisheng Zhang, Jiazao Lin, Zhili Zhao, and Lian Li

- ❑ **A Fuzzy-Based Adaptive Agent for Grid Services**
  Ali Rezaee, Amir Masoud Rahmani, and Sahar Adabi

- ❑ **MIFAS: Medical Image File Accessing System in Co-allocation Data Grids**
  Chao-Tung Yang, Chiu-Hsiung Chen, Ming-Feng Yang, and Wen-Chung Chiang

- ❑ **A Network Bandwidth-Aware Job Scheduling with Dynamic Information Model for Grid Resource Brokers**
  Chao-Tung Yang, Fang-Yie Leu, and Wen-Jen Hu

- ❑ **Performance Comparison of Load Balancing Algorithms through Code Migration in Distributed Desktop Computing Grids**
  Makoto Yoshida and Kenji Sakamoto

Papers by Session

- ❑ **Interorganizational Workflow Collaboration Based on Local Process Views**
  Donghui Lin and Toru Ishida

- ❑ **Nash Equilibrium: Better Strategy for Agents Coordination**
  Lasheng Yu, Emmanuel Masabo, and Chantal Mutimukwe

- ❑ **RSQS: Resource-Saving Multi-query Scheduling in Wireless Sensor Networks**
  Yuan Zheng, Ming Liu, and Jiannong Cao

- ❑ **Using Frequent Workload Patterns in Resource Selection for Grid Jobs**
  Tyng-Yeu Liang, Siou-Ying Wang, and I-Han Wu

- ❑ **Modelling the Sharing of Resources across Collaborative Sessions**
  Bruce Spencer and Sandy Liu

- ❑ **Implementation of a Diskless Cluster Computing Environment in a Computer Classroom**
  Chao-Tung Yang, Wen-Feng Hsieh, and Hung-Yen Chen

Papers by Session

Trustworthy/Security/Privacy Computing

- **Hiding Information Employing Reduplicating Embedding**
  Chin-Feng Lee, Lin-Yi Chuang, and Chin-Chen Chang

- **Highly Efficient ID-Based Ring Signature from Pairings**
  Hung Yu Chien

- **Cryptanalysis and Improvement of an 'Efficient Remote Mutual Authentication and Key Agreement'**
  Jian Wang, Haihang Wang, and Chengxiang Tan

- **Invalidation of Mailing List Address to Block Spam Mails**
  Kenichi Takahashi, Akihiro Sakai, and Kouichi Sakurai

- **Zero-Configuration Personal Firewall for DLNA DMS**
  Shann-Chiuen Wu, Yung-Chung Ku, and Tzao-Lin Lee

- **Modeling the Trust with ECT in E-auction Loyalty**
  Chwen-Yea Lin, Chien-Chung Tu, and Kwoting Fang

- **Intrusion Resistant SOAP Messaging with IAPF**
  Navya Sidharth and Jigang Liu

Papers by Session

Multimedia and Intelligent Systems

❑ **Planning Locative Media within Physical Space and Collaborative Workspace**
Rung-Huei Liang and Yin-Huan Chen

❑ **A Rule-Based Event Handling Model**
Yingwei Luo, Xiaolin Wang, Xinpeng Liu, Zhou Xing, Xiao Pang, and Haibo Wang

❑ **Clothing Identification Based on Edge Information**
Ku-Jin Kim, Sun-Mi Park, and Yoo-Joo Choi

❑ **Implementing Speech-Recognition Microprocessor into Intelligent Control-System of Home-Appliance**
Chun-Liang Hsu, Sheng-Yuan Yang, and Wei-Bin Wu

❑ **Implementation and Evaluation of Minimal UPnP Scheduled Recording**
Chun-Yi Tsai and Tzao-Lin Lee

❑ **The Spacecraft Automatic Testing System Based on Workflow**
Dan Yu, Gang Ye, Shilong Ma, Naixue Xiong, and Laurence T. Yang

Papers by Session

❑ **Design and Implementation of a Videotext Extractor on Dual-Core Platform**
Chih-Lun Fang, Tsung-Han Tsai, and Ren-Chih Kuo

Papers by Session

Wireless, Sensor and Ad Hoc Network

❑ **A New Dynamic Access Control in Wireless Sensor Networks**
Hui-Feng Huang and Kuo-Ching Liu

❑ **Development of a Novel Bidirectional Control Telecare System over a Wireless Sensor Network and the Internet**
You-Yin Chen, Wen-Tzeng Huang, Chin-Hsing Chen, and Yuan-Jen Chang

❑ **An Effective Link Adaptation Method in Cooperative Wireless Networks**
Karim Djouani, Jun Chen, Abdellah Akharraz, and Kamel Barkaoui

❑ **A Distributed Prefix Allocation Scheme for Subordinate MANET**
Ashutosh Bhatia and Shubhranshu Singh

❑ **Binary Countdown for Quality of Service in Ad Hoc and Sensor Networks**
Chi-Hsiang Yeh

Papers by Session

Pervasive/Mobile/Network Computing

❑ **Fairness-Based Scheduling Algorithm for TDD Mode IEEE 802.16 Broadband Wireless Access Systems**
    Sheng-Tzong Cheng, Bo-Fu Chen, and Chih-Lun Chou

❑ **The Study of the Handoff for the Wireless Network**
    Chung-Hsin Liu

❑ **Zigbee- Research into Integrated Real-Time Located Systems**
    Chung-Hsin Liu and Chih-Chieh Fan

❑ **An Optimization Method to Develop AAA Architectures with MIPv6 Mobility Support**
    Ma Wenjing, Song Mei, Zhang Yong, Lin Xin, and Zhang Huan

❑ **USB Device Sharing Server for Office Environment**
    Cherng-Ying Ing and Tzao-Lin Lee

❑ **Using Data Mining Techniques in Development of MURA Geometric Prediction Module for Large Area Photomask**
    Wen-Hsing Kao, Jason C. Hung, and Victoria Hsu

Papers by Session

Service Composition, Management and Applications

❑ **Application and Evaluation of Wireless Transmission Technique at Construction Job-site**
    Lee-kuo Lin, Chiu-ching Tuan, and Che-jen Cnen

❑ **A Unified Framework for Digital Content Management Business Model-Ring-Tone Download as Case Study**
    Dengwen Wei, Zaobin Gan, and Xiongbo Xia

❑ **An Institutional Analysis on the Vicissitudes of a Micro-payment Platform**
    Jen Wel Chen, Dershing Luo, and Ching-Cha Hsieh

❑ **Providing Service Innovation for Creative Life**
    Kang-Lin Peng and Ming-Chu Lin

❑ **Integration and Application of Web-Service-Based Expert System and Computer Maintenance Management Information System**
    Chung C. Chang and Li-Wei Sung

❑ **Using Support Vector Machine and Sequential Pattern Mining to Construct Financial Prediction Model**
    Shu-Chuan Lo, Ching-Ching Lin, and Yao-Chang Chuang

Papers by Session

❑ **A Stochastic Performance Model Supporting Time and Non-time QoS Matrices for Web Service Composition**
  Zhao Wu, Yanxiang He, Haowen Liu, Liang Zhao, and Hua Shen

❑ **A Case Study on the Multicriteria Selection of Software Components**
  Thomas Neubauer, Jan Pichler, and Christian Stummer

Papers by Session

Service Oriented Architecture and Modeling

❑ **Developing Continuous Audit and Integrating Information Technology in E-business**
   Chun-Hsiu Yeh, Tsui-Ping Chang, and Wei-Cheng Shen

❑ **Modeling the Mediating Role of Online Social Capital in Social Support and Service IT Usage**
   Yuan Hui Tsai, Chieh-Peng Lin, and Chou-Kang Chiu

❑ **The Internet Service Provider's Dilemma: User Friendly Design or Robust Security Mechanism?**
   Chung-Chi Shen and Jyh-Shen Chiou

❑ **A Service-Oriented Modeling Technique for Domain-Specific Software**
   Changjun Hu, Feng Jiao, Chongchong Zhao, and Huayu Li

❑ **Service-Oriented Enterprise Cooperation: Modeling Method and System**
   Huiping Lin, Sheng Liu, and Yushun Fan

❑ **MPaySmart: A Customer Centric Approach in Offering Efficient Mobile Payment Services**
   Vahid Rahimian and Jafar Habibi

Papers by Session

❑ **Customers' Perception on Attitude Towards E-auction**
Chien-Chung Tu, Chwen-Yea Lin, and Kwoting Fang

Papers by Session

Web Services, Technologies and Applications

- ❑ **Developing the Continuous Assurance Embedded Continuous Audit Web Services**
  Chun-Hsiu Yeh, Tsui-Ping Chang, and Wei-Cheng Shen

- ❑ **Ontology-Supported Portal Architecture for Scholar's Webpages**
  Sheng-Yuan Yang and Chun-Liang Hsu

- ❑ **Generating Semantic Web Services Using Lattices and SAWSDL**
  Phi Nguyen and Sam Chung

- ❑ **A Pragmatics Web Service Oriented Approach to Understanding the Semantics of Concepts**
  Zhai Sheping, Wang Hai, and Wei Juanli

- ❑ **Web-Oriented Architectures: On the Impact of Web 2.0 on Service-Oriented Architectures**
  Gunnar Thies and Gottfried Vossen

- ❑ **A Minimum Coverage Dynamic Adaptive Method for Concurrent Web Service Composition**
  Zhengdong Zhu, Xuehan Dong, Yahong Hu, Weiguo Wu, and Zengzhi Li

Papers by Session

❑ **ScriptOrc: A Specification Language for Web Service Choreography**
A.K. Bhattacharjee and R.K. Shyamasundar

❑ **A SOAP-Based Streaming Content Delivery Framework for Multimedia Web Services**
Gibson Lam and David Rossiter

❑ **Web Service Selection Based on Analytical Network Process Approach**
Manish Godse, Rajendra Sonar, and Shrikant Mulik

❑ **A Framework of Web Services Description and Discovery Based on OWL-S and Domain Ontology**
Changjun Hu, Huayu Li, and Xiaoming Zhang

Papers by Session

The First International Workshop on Wireless Network Algorithms (WiNA-08)

Papers by Session

Session I Sensor Networks

❑ **Algorithms for Transmission Power Control in Biomedical Wireless Sensor Networks**
   Ashay Dhamdhere, Vijay Sivaraman, Vidit Mathur, and Shuo Xiao

❑ **Energy-Efficient and Traffic-Dispersive Event Contour Tracking in Multi-sink Wireless Sensor Networks**
   Jehn-Ruey Jiang, Jih-Wei Wu, and Guan-Shien Du

❑ **Enhancing the Key Pre-distribution Scheme on Wireless Sensor Networks**
   Tzu-Hsuan Shan and Chuan-Ming Liu

Papers by Session

Session II Ad Hoc and Sensor Networks

❑ **A Gradient-Based Dynamic Load Balance Data Forwarding Method for Multi-sink Wireless Sensor Networks**
  Rei-Heng Cheng, Shiuan-Yea Peng, and Chiming Huang

❑ **Adaptive Collision Avoidance through Implicit Acknowledgments in WSNs**
  Daniele Messina, Marco Ortolani, and Giuseppe Lo Re

❑ **Non-deterministic Geographic Forwarding in Mobile Ad Hoc Networks**
  Israat Tanzeena Haque

❑ **Hop-by-Hop TCP over MANET**
  Yao-Nan Lien and Yi-Fan Yu

Papers by Session

Session III Mobile Networks and WLAN

❑ **Improving the Bandwidth Consumption of File Sharing in Mobile Networks through Clustering**
    Ulf Wehling and Steffen Rothkugel

❑ **A Cross-Layer Link Adaptation Algorithm for IEEE 802.11 WLAN with Multiple Nodes**
    Chiapin Wang and Tsungnan Lin

❑ **On Achieving Maximum Channel Utilization for IEEE 802.11n WLAN**
    Yaw-Wen Kuo and Tung-Lin Tsai

❑ **Partitioning Scheme Based on Convolution Characteristic Values of RSS Measuring from APs**
    Chi-Kuang Hwang and Hung-Min Yuan

Papers by Session

**The 2008 International Workshop on E-Commerce
Services and Applications (ECSA 2008)**

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Papers by Session

Session I

❑ **An Empirical Study of Sellers' Information Manipulation in the Online Auction Market**
   Che-hui Lien and Jyh-Jeng Wu

❑ **Content-Based Trust Mechanism for E-commerce Systems**
   Yu Zhang, Huajun Chen, Xiaohong Jiang, Hao Sheng, Linhua Zhou, and Tong Yu

❑ **The Influence of Passion and Compulsive Buying on Online Auction Addiction**
   Chih-Chien Wang and Yu-Tzu Chen

❑ **The Strategic Impact of Inter-organizational Information Systems – A Dynamic Capabilities Analysis**
   Ying-Hueih Chen, I-Chieh Hsu, and Yu-Chung Chen

Papers by Session

Session II

❑ **Analyzing Security of RFID Tag Reading Protocols Based on Binary Tree Traversal**
Gen-Yih Liao and Hsiu-Fen Hsieh

❑ **A Study on the Interface Usability of B2C Hypermarket E-commerce Website**
Hui-Jiun Hu, Jen Yen, and Shing-Sheng Guan

❑ **Applying Context-Aware RBAC to RFID Security Management for Application in Retail Business**
Mei-Yu Wu, Chih-Kun Ke, and Wen-Ling Tzeng

❑ **Mining Negative Sequential Patterns for E-commerce Recommendations**
Sue-Chen Hsueh, Ming-Yen Lin, and Chien-Liang Chen

Papers by Session

The 2008 International Workshop on Dependable and Secure Services Computing (DSSC 2008)

❑ **Service Availability of Systems with Failure Prevention**
Felix Salfner and Katinka Wolter

❑ **Introducing Role-Based Access Control to a Secure Virtual Machine Monitor: Security Policy Enforcement Mechanism for Distributed Computers**
Manabu Hirano, Takahiro Shinagawa, Hideki Eiraku, Shoichi Hasegawa, Kazumasa Omote,
Koichi Tanimoto, Takashi Horie, Kazuhiko Kato, Takeshi Okuda, Eiji Kawai, and Suguru Yamaguchi

❑ **A Service-Oriented Framework for Quantitative Security Analysis of Software Architectures**
Yanguo Liu, Issa Traore, and Alexander M. Hoole

❑ **Contract-Based Security Monitors for Service Oriented Software Architecture**
Alexander M. Hoole and Issa Traore

Papers by Session

❑ **Beyond Smart: Enabling Cognition in a Wireless Home Network Environment**
  Chi-Yi Lin and Szu-Chi Wang

❑ **A Study and Implementation of Vulnerability Assessment and Misconfiguration Detection**
  Ching-Huang Lin, Chih-Hao Chen, and Chi-Sung Laih

Papers by Session

The 2008 International Workshop on Services Integration and Management for Modern Service Industry (SIM4MSI-08)

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- ❑ **A Flexible Framework for Semi-automatic Web Services Composition**
  Gexin Li, Haijiang Hai, and Zhiwen Hu

- ❑ **A Novel Network Selection Algorithm in Next Generation Heterogeneous Network for Modern Service Industry**
  Hao Hu, Wenan Zhou, Shu Zhang, and Junde Song

- ❑ **Exploring a Semantic Publish/Subscribe Middleware for Event-Based SOA**
  Jianfeng Qian, Jianwei Yin, Dongcai Shi, and Jinxiang Dong

- ❑ **Service Behavioral Adaptation Based on Dependency Graph**
  Bin Wu, Shuiguang Deng, Jian Wu, Ying Li, Li Kuang, and Jianwei Yin

- ❑ **Proxy-Based Web Service Security**
  Jian Wu and Zhimin Huang

Papers by Session

❑ **OTJFast: Processing Ordered XML Twig Join Fast**
   Jinhua Jiang, Gang Chen, Lidan Shou, and Ke Chen

❑ **A CAVLC-Based Blind Watermarking Method for H.264/AVC Compressed Video**
   Lihua Tian, Nanning Zheng, Jianru Xue, and Tao Xu

❑ **A Flexible Transformation Scheme between the 'OR' of BPMN and 'Link' of BPEL**
   Lin Bai and Jun Wei

❑ **Verifying Consistency of Web Services Behavior**
   YuYu Yin, Ying Li, ShuiGuang Deng, and Wu Jian

Papers by Session

The First International Workshop on Multimedia, Information Privacy and Intelligent Computing Systems (MPIS '08)

Papers by Session

Session I

❏ **Effective Σ-Δ Background Estimation for Video Background Generation**
  Fan-Chei Cheng and Yu-Kumg Chen

❏ **RGB Intensity Based Variable-Bits Image Steganography**
  Mohammad Tanvir Parvez and Adnan Abdul-Aziz Gutub

❏ **Removable Visible Watermarking in JPEG Compression Domain**
  F.H. Yeh, G.C. Lee, and Y.T. Lin

❏ **Threshold Secret Image Sharing by Chinese Remainder Theorem**
  Shyong Jian Shyu and Ying-Ru Chen

Papers by Session

Session II

- **Redundant Picture Coding Using Residual-Adaptive Polyphase Downsampling for H.264 Error Resiliency**
  Jie Jia and Hae-Kwang Kim

- **Laundering and Repackaging of Multimedia Content in Content Distribution Systems**
  Alain Durand, Marc Joye, and Mohamed Karroumi

- **Content Based Image Retrieval Using Localized Line Segment Groupings**
  Nishat Ahmad, Youngan An, and Jongan Park

- **The Study of Intrusion Prediction Based on HsMM**
  Zhang Zhengdao, Peng Zhumiao, and Zhou Zhiping

Papers by Session

Session III

❑ **Privacy Concealments: Detective Strategies Unveiling Cyberstalking on Internet**
  Da-Yu Kao, Shiuh-Jeng Wang, Kush Mathur, Saransh Jain, and Frank Fu-Yuan Huang

❑ **Signcryption Scheme with Standardized Verification Algorithm**
  Raylin Tso

❑ **A Restricted Undeniable Designated Verifier Signature**
  Atsushi Koide, Raylin Tso, Takeshi Okamoto, and Eiji Okamoto

❑ **Improvement of a Dynamic Accumulator at ICICS 07 and Its Application in Multi-user Keyword-Based Retrieval on Encrypted Data**
  Peishun Wang, Huaxiong Wang, and Josef Pieprzyk

Papers by Session

Session IV

❑ **Measuring the Effectiveness and the Fairness of Relation Hiding Systems**
Andreas Pashalidis

❑ **Machine-to-Machine Technology Applied to Integrated Video Services Via Context Transfer**
Shu-Ching Wang, Tzu-Chih Chung, and Kuo-Qin Yan

❑ **A QoS Routing Protocol Supporting Unidirectional Links in MANETs**
Dong Wushi, Chen Niansheng, and Sun Qiang

❑ **Design and Implementation of Campus Gate Control System Based on RFID**
Liu Ting-Kuo and Yang Chung-Huang

❑ **A Dynamic Competition Analysis on the Personal Computer Shipments in Taiwan Using Lotka-Volterra Model**
Su-Yun Chiang, Gwo-Gauang Wong, Yiming Li, and Hsiao-Cheng Yu

Papers by Session

2008 International Workshop on Computational Engineering and Management (CEM-08)

Papers by Session

Session A

❑ **Prediction Model for Warranty Costs: A Case Study of a LCD Monitor Company**
   Louis Y.Y. Lu and Chih-Chyi Chiang

❑ **A Symbiosis Model for New Product Development through Open Innovation Process**
   Chia-Han Yang, Joseph Z. Shyu, and Yimin Li

❑ **An Automatic Stock Market Forecasting and Portfolio Selection Mechanism Based on VPRS, ARX and Grey System**
   Kuang Yu Huang and Chuen-Jiuan Jane

❑ **Distance Effect and Cognitive Proximity: A Study of Space Competition Strategy in Tourism Industry**
   Ching Chang, Shih-Ming Ou, and Zong-Wei Zhu

Papers by Session

Session B

❑ **The Impact of Enterprise Resource Planning Systems on the Efficiency of Taiwanese Firms**
  Bi-Huei Tsai

❑ **Equal Area Estimation of Three-Parameter Logistic Model for Item Response Theory**
  Shih-Ching Lo

❑ **Visual and Operational Impacts of Variable Speed Limit Signs on Bus Drivers on Freeways Using Driving Simulator**
  Chien-Yen Chang and Chai-Chun Li

❑ **A Computerized Feature Reduction Using Cluster Methods for Accident Duration Forecasting on Freeway**
  Ying Lee and Chien-Hung Wei

Papers by Session

Session C

- **Material Acquisitions in Academic Libraries**
  Tsu-Feng Ho, Shyong Jian Shyu, and Yi-Ling Wu

- **A Dynamic, Real Time and Non-interference Quantitative Measurement Technique on Diagnosing Instructional Condition for Adaptive E-learning**
  Pi-Shan Hsu, Te-Jeng Chang, Chien-Pen Chuang, and Ming-Hsiung Wu

- **A Study of Web 2.0 Website Usage Behavior Using TAM 2**
  Mei-Ying Wu, Han-Ping Chou, Yung-Chien Weng, and Yen-Han Huang

- **Data Hiding Scheme Using Covering Codes in Halftone Images Based on Error Diffusion**
  Ruey-Ming Chao, Yu-An Ho, and Yen-Ping Chu

- **An Improved Time-Bound Hierarchical Key Assignment Scheme**
  Qingyu Xu, Mingxing He, and Lein Harn

Papers by Session

The First International Workshop on Ubiquitous Network Computing (UNC-08)

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Papers by Session

Session I

- **A Tender Algorithm of Improved Distributed System Resource Management**
  Wei Xiong and Xu Xianbing

- **A Color Clustering Algorithm for Cloth Image**
  Xinrong Hu, Naixue Xiong, Shuqin Cui, Wang Hui, and Jianchun Wang

- **Web Service Programs Described in a Rule-Based Language**
  Shuichi Nakanishi, Muneyuki Shimokura, and Tadashi Ohta

- **Design and Implementation of Embedded SNMP Network Management Manager in Web-Based Mode**
  Xinyi Wu, Yong Zhu, and Xiaolong Deng

Papers by Session

Session II

- **MPACP: An Approach for Automatic Matching of Parallel Application Communication Patterns**
  Chao Ma, Yanxiang He, and Naixue Xiong

- **Research on Mobile-Agent Based Data Access Model in Pervasive Computing Environment**
  Li Fan and Jiang WeiJian

- **Ubiquitous Business Model by Seamless Integration of Photo and Location Information**
  Jeong-In Ju, Jong Chul Lee, and Kyoung Jun Lee

- **Design of Tag Match Advertising System and the Evaluation of the Business Model**
  Jungho Jun and Kyoung Jun Lee

Papers by Session

Session III

❑ **Innovative Call Routing: Concept and Experimental Observations**
Hui-Na Chua, Patrick Legrand, Karyn Wei-Ju Khoo, Simon Ringland, and Bruno Legat

❑ **A Weight-Based Dynamic Replica Replacement Strategy in Data Grids**
Wuqing Zhao, Xianbin Xu, Naixue Xiong, and Zhuowei Wang

❑ **A Two-Stage Image Segmentation Method Based on Watershed and Fuzzy C-Means**
Yong Zhu, Naixue Xiong, and Ruhan He

❑ **Web-Based Request Behavior Comprehension**
Kong Weiguang

❑ **Verifying Consistency of Web Services Behavior Using Type Theory**
YuYu Yin, JianWei Yin, Ying Li, and ShuiGuang Deng

Papers by Session

Session IV

❑ **X-ray Image Enhancement Based on Wavelet Transform**
  Jiao Feng, Naixue Xiong, and Bi Shuoben

❑ **Study on Weaving Process at Software Architectural level**
  Youcong Ni, Shi Ying, Jing Wen, Linlin Zhang, Peng Ye, and Jiajing Zhang

❑ **Loop Detection for Energy-Aware High Performance Embedded Processors**
  Na Ra Yang, Gilsang Yoon, Jeonghwan Lee, Intae Hwang, Cheol Hong Kim, and Jong Myon Kim

❑ **Garment Image Retrieval on the Web with Ubiquitous Camera-Phone**
  Ruhan He, Kaiming Liu, Naixue Xiong, and Yong Zhu

Papers by Session

The First International Workshop on Vechicular Networking (VON-08)

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Papers by Session

VON Routing

❑ **ABSRP- A Service Discovery Approach for Vehicular Ad Hoc Networks**
   Brijesh Kadri Mohandas, Amiya Nayak, Kshirasagar Naik, and Nishith Goel

❑ **Access Gateway Discovery and Selection in Hybrid Multihop Relay Vehicular Network**
   Shang-Pin Sheng, Ben-Yue Chang, and Hung-Yu Wei

❑ **Routing and Address Assignment Using Lane/Position Information in a Vehicular Ad Hoc Network**
   Takashi Kato, Kohei Kadowaki, Takahiro Koita, and Kenya Sato

❑ **Destination Discovery Oriented Position Based Routing in VANET**
   Eric HsiaoKuang Wu, Pratap Kumar Sahu, and Jagruti Sahoo

Papers by Session

VON System, Security, Applications

Chair:

- ❑ **LMAM: A Lightweight Mutual Authentication Mechanism for Network Mobility in Vehicular Networks**
  Ming-Chin Chuang and Jeng Farn Lee

- ❑ **An SDR-Based Wireless Communication Gateway for Vehicle Networks**
  Boncheol Gu, Junyoung Heo, Sangchul Oh, Namhoon Park, Gwangil Jeon, and Yookun Cho

- ❑ **Realistic Simulation of V2X Communication Scenarios**
  Tobias Queck, Björn Schünemann, Ilja Radusch, and Christoph Meinel

- ❑ **Virtual Access Points for Stream Based Traffic Dissemination**
  D. Camara, N. Frangiadakis, F. Filali, A.A.F. Loureiro, and N. Roussopoulos

- ❑ **Optimizing Pseudonym Updation for Anonymity in VANETS**
  Brijesh Kumar Chaurasia and Shekhar Verma