



26TH IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION NETWORKING AND APPLICATIONS WORKSHOPS



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Fukuoka, Japan

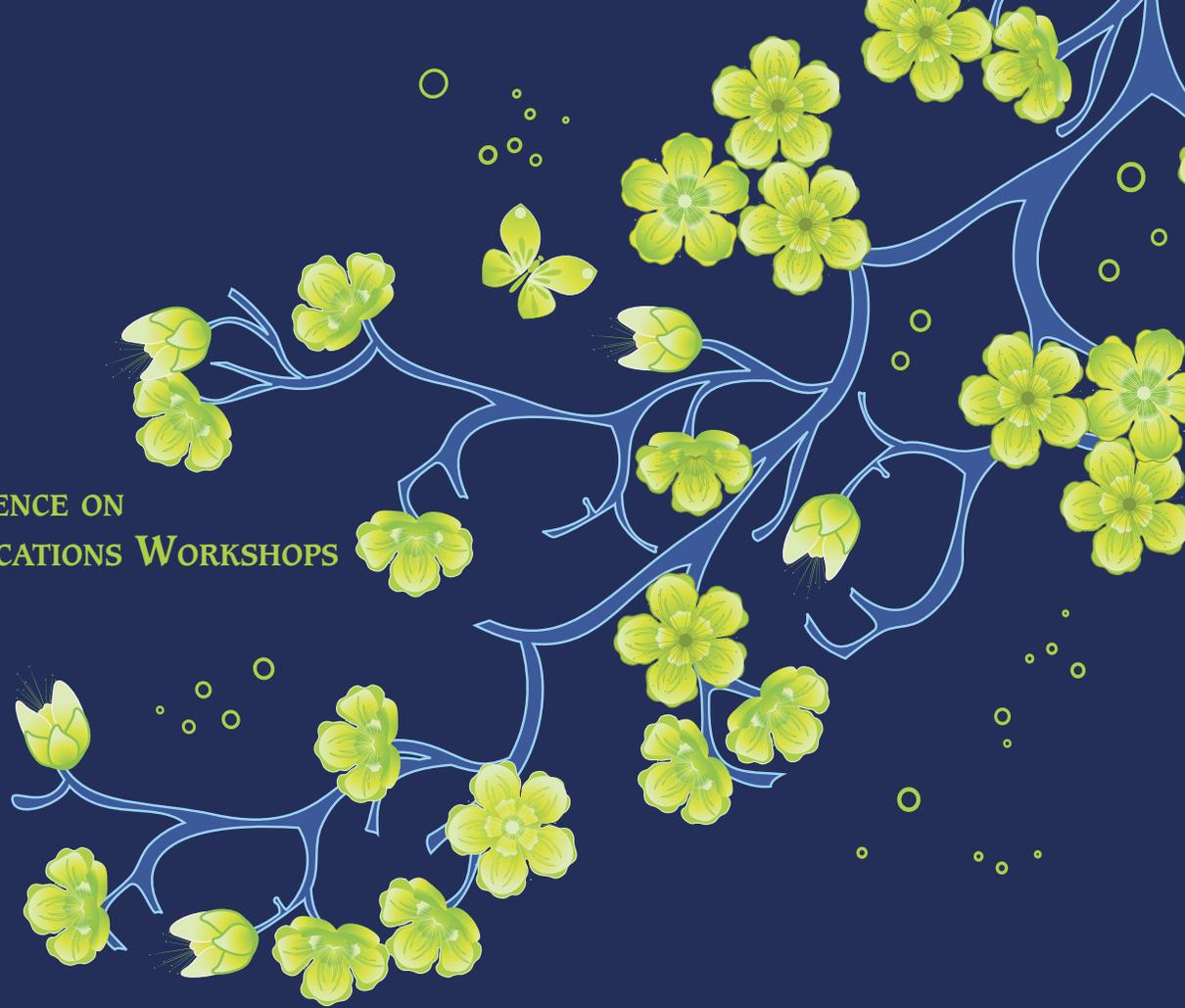
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Toan-Thinh Truong, Minh-Triet Tran, and Anh-Duc Duong
- ❑ Design and Implementation of Improved Authentication System for Android Smartphone Users
Kwang Il Shin, Ji Soo Park, Jae Yong Lee, and Jong Hyuk Park
- ❑ The Evaluation of an Anomaly Detection System Based on Chi-square Method
Shunsuke Oshima, Takuo Nakashima, and Toshinori Sueyoshi

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Session 2: Secure Architectures and Platforms

- ❑ Securing an Interoperability Architecture for Home and Urban Networking:
Implementation of the Security Aspects in the INREDIS Interoperability Architecture
Rafael Giménez, Marc Pous, and Francisco Rico-Novella
- ❑ Pandora Messaging: An Enhanced Self-Message-Destructing Secure Instant Messaging
Architecture for Mobile Devices
Tsai-Yeh Tung, Laurent Lin, and D.T. Lee
- ❑ Related-Key Attack on the MD-64 Block Cipher Suitable for Pervasive Computing
Environments
Jinkeon Kang, Kitae Jeong, Sang-Soo Yeo, and Changhoon Lee
- ❑ Coping with the Complexity of SOA Systems with Message Forensics
*Takafumi Hayashi, Atushi Kara, Toshiaki Miyazaki, Jiro Iwase, Hideyuki Fukuhara, Tetsu Saburi,
and Masayuki Hisada*

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Session 3: Network Security

- ❑ REFORM: Relevant Features for Malware Analysis
Vinod P., V. Laxmi, and M.S. Gaur
- ❑ Security and QoS Tradeoffs: Towards a FI Perspective
Ana Nieto and Javier Lopez
- ❑ CAD-MAC: Coverage Adaptive Directional Medium Access Control for mmWave Wireless Personal Area Networks
Jung-Hyok Kwon, Eui-Jik Kim, and Chul-Hee Kang
- ❑ The Study for the User Oriented Service Design for Inter-organizational Collaboration
Jaehwan Lim, Yanghoon Kim, Yongsub Na, and Hangbae Chang

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**The Fifth International Workshop on Data
Management for Wireless and Pervasive
Communications (DMWPC-2012)**

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Session 1: VANET and WSN

- ❑ Dynamic Path Determination of Mobile Beacons Employing Reinforcement Learning for Wireless Sensor Localization
Songsheng Li, Xiaoying Kong, and David Lowe
- ❑ Communication-Efficient Anonymous Routing Protocol for Wireless Sensor Networks Using Single Path Tree Topology
Shogo Nakamura, Yoshiaki Hori, and Kouichi Sakurai
- ❑ Using Interest-Aware Probabilistic for Leisure Information Dissemination in VANETs
Sheng-Tzong Cheng and Jian-Pan Li

Papers by Session

Session 2: Data Processing and Management

- ❑ A Ubiquitous Data Logger that Selects an Efficient Data Compression Method
Kenji Ono, Tsutomu Terada, and Masahiko Tsukamoto
- ❑ An Efficient Stream Archiving Method by Operator Merge and Write Control
Taiga Abe, Hideyuki Kawashima, and Hiroyuki Kitagawa

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The Fifth International Symposium on Mining and Web (MAW-2012)

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Session 1: Clustering and Classification

- ❑ Nearest Neighbor Classification by Partially Fuzzy Clustering
Lifei Chen, Gongde Guo, and Shengrui Wang
- ❑ Link Prediction in Social Network Using Co-clustering Based Approach
Elham Hoseini, Sattar Hashemi, and Ali Hamzeh
- ❑ Detection Method of Blog Spam Based on Categorization and Time Series Information
Toshio Teraguchi, Kenji Nakamura, Shigenori Tanaka, and Koichi Kitano

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Session 2: Information Retrieval

- ❑ Fusion of News Reports Using Surface-Based Methods
Joel Azzopardi and Christopher Staff
- ❑ Aggnel: An Information Aggregation System of Partial Contents from Multiple Web Pages
Yuichiro Tasaki, Tomohiro Fukuhara, and Tetsuji Satoh
- ❑ FODEX—Towards Generic Data Extraction from Web Forums
Sebastian Pretzsch, Klemens Muthmann, and Alexander Schill

Papers by Session

Session 3: Feature Extraction and Representation

- ❑ Integration of Novel Image Based Features into Markov Random Field Model for Information Retrieval
Sheikh Muhammad Sarwar and Mosaddek Hossain Kamal
- ❑ Classifying Sports Gesture Using Event-Based Matching in a Multimedia E-learning System
Kosuke Takano and Kin Fun Li

Papers by Session

Session 4: Text Mining

- ❑ Ontology Based Qualitative Methodology for Chinese Language Analysis
Dong Han and Kilian Stoffel
- ❑ Development of Topic Navigation System for Assisting Searches on the Web
Toshihiro Ishikawa and Yasuhiro Yamada
- ❑ GPU Accelerated Hot Term Extraction from User Generated Content
Ming-Fung Cheng, Korris Fu-Lai Chung, and Siu-Nam Chuang
- ❑ Bio Named Entity Recognition Based on Co-training Algorithm
Tsendsuren Munkhdalai, Meijing Li, Taewook Kim, Oyun-Erdene Namsrai, Seon-phil Jeong, Jungpil Shin, and Keun Ho Ryu

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Session 5: Behavior Models

- ❑ Social Network Discovery from Multiple Log Data through a Behavior Model
Tomonobu Ozaki and Minoru Etoh
- ❑ Privacy-Preserving Set Operations in the Presence of Rational Parties
Atsuko Miyaji and Mohammad Shahriar Rahman
- ❑ Emotion Care Services with Facebook Wall Messages
Hui-Huang Hsu, Yu-Fan Chen, Chi-Yi Lin, Cheng-Wei Hsieh, and Timothy K. Shih

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**The Fifth International Workshop
on Telecommunication Networking, Applications
and Systems (TeNAS-2012)**

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Session 1: Network Technologies and Applications I

- ❑ A Multipath Routing Algorithm for Degraded-Bandwidth Services under Availability Constraint in WDM Networks
Hung-Yi Chang
- ❑ Dynamic Time Scheduling in Advance Bandwidth Reservation
Tananun Orawiwattanakul, Hideki Otsuki, Eiji Kawai, and Shinji Shimojo
- ❑ A Fuzzy Knowledge Based Fault Tolerance Algorithm in Wireless Sensor Networks
Shih-Hao Chang and Teh-Sheng Huang
- ❑ Communication Quality Improvement Method through End Host Enhancements for TFRC-type Mobile Streaming
Atsushi Den and Katsuyoshi Iida

Papers by Session

Session 1: Network Technologies and Applications II

- ❑ Design and Implementation of an Automatic Network Topology Discovery System for the Future Internet Across Different Domains
Wun-Yuan Huang, Jen-Wei Hu, Shu-Cheng Lin, Te-Lung Liu, Pang-Wei Tsai, Chu-Sing Yang, Fei I Yeh, Jim Hao Chen, and Joe J. Mambretti
- ❑ Fairness Comparisons among Modern TCP Implementations
Ryo Oura and Saneyasu Yamaguchi
- ❑ New P2P Sharing Incentive Mechanism Based on Social Network and Game Theory
Tzu-Ming Wang, Wei-Tsong Lee, Tin-Yu Wu, Hsin-Wen Wei, and Yu-San Lin

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The Fifth International Workshop on Bio and Intelligent Computing (BICom-2012)

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Session 1: Genetic Algorithms and Simulated Annealing

- ❑ Odds Ratio-Based Genetic Algorithm for Prediction of SNP-SNP Interactions in Breast Cancer Association Study
Li-Yeh Chuang, Ming-Cheng Lin, Hsueh-Wei Chang, and Cheng-Hong Yang
- ❑ Evaluating Simulated Annealing for the Weighted-Region Path-Planning Problem
Mark R. Kindl and Neil C. Rowe
- ❑ A Genetic Algorithm with Prioritized Objective Functions for Service Composition
Yang Syu, Yong-Yi FanJiang, Jong-Yih Kuo, and Shang-Pin Ma
- ❑ End-to-End QoS Guaranteed Approach Using Multi-object Genetic Algorithm in Cognitive MANETs
Huixing Peng, Yuebin Bai, and Xiaoxia Liu

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Session 2: Fuzzy and Rule-Based Systems

- ❑ A Fuzzy-Based Trustworthiness System for JXTA-Overlay P2P Platform and Its Performance Evaluation Considering Three Parameters
Kouhei Umezaki, Evjola Spaho, Yuichi Ogata, Leonard Barolli, Fatos Xhafa, and Jiro Iwashige
- ❑ A Discovery Method of Trend Rules from Complex Sequential Data
Shigeaki Sakurai, Kyoko Makino, and Shigeru Matsumoto
- ❑ PCR-RFLP Primer Design Using Particle Swarm Optimization Combined with Chaotic Logistic Map
Li-Yeh Chuang, Yu-Da Lin, Hsueh-Wei Chang, and Cheng-Hong Yang
- ❑ A Fuzzy-Based Cluster-Head Selection System for WSNs Considering Different Parameters
Qi Wang, Hironori Ando, Elis Kulla, Leonard Barolli, and Arjan Durrresi

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Session 3: Intelligent Control Systems and Applications

- ❑ Challenges of Machine Learning Based Monitoring for Industrial Control System Networks
Matti Mantere, Ilkka Uusitalo, Mirko Sailio, and Sami Nojonen
- ❑ Design and Implementation of Waste Management Robots
Keita Matsuo, Yuichi Ogata, Kouhei Umezaki, Evjola Spaho, and Leonard Barolli
- ❑ Medical Visualizations in Secure Bio Computing
Marek R. Ogiela and Lidia Ogiela

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The Fourth International Workshop on Information Technology for Innovative Services (ITIS-2012)

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- ❑ Proposal for Improving Throughput in Supersaturated Cloud
Shinichiro Kibe, Motoi Yamagiwa, and Minoru Uehara
- ❑ An Experiment and Discussion of the Reboot Feature on the Photovoltaic Grid System
Kenichi Fujii, Motoi Yamagiwa, and Minoru Uehara
- ❑ Web-Based Environment for GUI Application Development
Hideaki Yanagisawa
- ❑ Network Management System Based on Activated Knowledge Resource
Gen Kitagata, Kazuto Sasai, Johan Sveholm, Hideyuki Takahashi, and Tetsuo Kinoshita

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Session 2: Innovative Applications and Security

- ❑ A Proposal of a Simplified Jumping Distance Measurement Method for Ski Jumper's Motion Monitoring System Using Terrestrial Magnetism and Acceleration Sensors
Nobuyoshi Sato, Ryota Takamagi, Tsuyoshi Takayama, and Yoshitoshi Murata
- ❑ Implementation of a Practical Calendaring System Conforming with Ambiguous Pattern of Recurring Tasks
Yoshinari Nomura, Syunsuke Mihara, and Hideo Taniguchi
- ❑ Spam Detection Using Sobel Operators and OCR
Peng Wan and Minoru Uehara
- ❑ Interactive Fingerprint
Yuji Suga
- ❑ Opengate on Cloud
Kenzi Watanabe, Makoto Otani, Shin-ichi Tadaki, and Yoshiaki Watanabe

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**The Fourth International Workshop on Disaster
and Emergency Information Network Systems
(IWDENS-2012)**

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- ❑ Wireless Network System with Autonomous Antenna Actuator Control for Disaster Information
Toshihiro Suzuki and Yoshitaka Shibata
- ❑ Construction of IEEE802.11-based Wireless Network for Community Information Sharing in a Disaster-Affected Area
Tetsuya Shigeyasu, Shota Katahira, Hitoshi Morioka, and Hiroshi Matsuno
- ❑ Network Relief Activity with Cognitive Wireless Network for Large Scale Disaster
Noriki Uchida, Kazuo Takahata, and Yoshitaka Shibata
- ❑ A Disaster Information Sharing Method by the Mobile Servers in Challenged Networks
Yutaka Sasaki and Yoshitaka Shibata

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Session 2: Disaster Support Systems

- ❑ Problem Analysis and Solutions of Information Network Systems on East Japan Great Earthquake
Yoshitaka Shibata, Noriki Uchida, and Yuji Ohashi
- ❑ A Proposal of Forestry Worker Support System Using HMD
Norihisa Segawa, Yusuke Shinohe, and Jun Sawamoto
- ❑ Differences in the Behaviors Collecting Information from Available Media between the Students of Afflicted and Those of Non-afflicted Prefectures in the Crisis Caused by the 2011 Off Pacific Coast of Tohoku Earthquake
Erina Gyoba
- ❑ Development of Cloud Based Safety Confirmation System for Great Disaster
Hiroaki Yuze and Naoyoshi Suzuki

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The Third International Workshop on Cloud Computing, Services, and Interoperability (CCSI-2012)

- ❑ Performance of Left Outer Join on Hadoop with Right Side within Single Node Memory Size
Byambajargal Byambajav, Tomasz Wiktor Wlodarczyk, Chunming Rong, Paea LePendou, and Nigam Shah
- ❑ RVEC: Efficient Remote Desktop for the ENGINEERING CLOUD
Shinichi Sazawa, Masayoshi Hashima, Yuichi Sato, Kenichi Horio, and Kazuki Matsui
- ❑ Virtual Machine Migration Method between Different Hypervisor Implementations and Its Evaluation
Yuki Ashino and Masayuki Nakae
- ❑ Virtual Network Mapping through Path Splitting and Migration
Wu-Hsiao Hsu, Yuh-Pyng Shieh, Chia-Hui Wang, and Sheng-Cheng Yeh

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The Second International Workshop on Protocols and Applications with Multi-homing Support (PAMS-2012)

- ❑ On the Use of an Increased Initial Congestion Window to Improve mSCTP Handover Performance
Johan Eklund, Karl-Johan Grinnemo, and Anna Brunström
- ❑ An SCTP-based Mobility Management Framework for Smartphones and Tablets
Pehr Söderman, Karl-Johan Grinnemo, Georgios Cheimonidis, Yuri Ismailov, and Anna Brunström
- ❑ Simulation and Experimental Evaluation of Multipath Congestion Control Strategies
Thomas Dreibholz, Hakim Adhari, Martin Becke, and Erwin P. Rathgeb
- ❑ QoS-oriented MPTCP Extensions for Multimedia Multi-homed Systems
Codé Diop, Guillaume Dugué, Christophe Chassot, and Ernesto Exposito

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The Second International Workshop on Complex Information Flows (CIF-2012)

- ❑ Integer Programming Formulation for Grouping Clusters in Ferry-assisted DTNs
K. Habibul Kabir, Masahiro Sasabe, and Tetsuya Takine
- ❑ Impact of Mobility Constraints on Epidemic Broadcast Mechanisms in Delay-Tolerant Networks
Hiroyuki Ohsaki, Yosuke Yamada, Dimitri Perrin, and Makoto Imase
- ❑ Lightweight Distributed Method for Connectivity-based Clustering Based on Schelling's Model
Sho Tsugawa, Hiroyuki Ohsaki, and Makoto Imase
- ❑ Decentralised Communication in Autonomous Agent Swarms
Dimitri Perrin and Hiroyuki Ohsaki

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The International Workshop on Bioinformatics and Life Science Modeling and Computing (BLSMC-2012)

- ❑ Robustness in Genetic Threshold Boolean Random Regulatory Networks: A Mathematical Approach
J. Demongeot and J. Waku
- ❑ Random Modelling of Contagious (Social and Infectious) Diseases: Examples of Obesity and HIV and Perspectives Using Social Networks
J. Demongeot, O. Hansen, A.S. Jannot, and C. Taramasco
- ❑ Study of Aggregation Operators for Scheduling Clusters in Digital Images of Plants
Jimmy Nagau, Sebastien Regis, Jean-Luc Henry, and Andrei Doncescu
- ❑ Initialization of Masses by the Okm for the Belief Function Theory: Application to System Biology
Sebstien Regis, Andrei Doncescu, Makoto Takizawa, and Guillaume Cleuziou
- ❑ Conflict Intersection as Diagnostic Model
Mourad Benkaci, Andrei Doncescu, and Makoto Takizawa

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**The First International Workshop on
inter-Clouds and Collective Intelligence
(iCCI-2012)**

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- ❑ Bid-Proportional Auction for Resource Allocation in Capacity-Constrained Clouds
Chih-Wei Tsai and Zsehong Tsai
- ❑ An Architectural Strategy for Meta-scheduling in Inter-clouds
Nik Bessis, Stelios Sotiriadis, Florin Pop, and Valentin Cristea
- ❑ Latency Based Dynamic Grouping Aware Cloud Scheduling
Sheheryar Malik, Fabrice Huet, and Denis Caromel
- ❑ A Sophisticated Ad Hoc Cloud Computing Environment Built by the Migration of a Server to Facilitate Distributed Collaboration
Tatsuya Mori, Makoto Nakashima, and Tetsuro Ito

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Session 2: Efficient Data Management and Allocation

- ❑ Resource-Aware Density-and-Grid-Based Clustering in Ubiquitous Data Streams
Ching-Ming Chao and Guan-Lin Chao
- ❑ Optimal Data Allocation for Keeping Fairness of Online Game
Masaki Kohana, Shusuke Okamoto, and Atsuko Ikegami

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Session 3: Added Value for Inter-enterprises

- ❑ Value Creation Using Clouds: Analysis of Value Drivers for Start-Ups and Small and Medium Sized Enterprises in the Textile Industry
Andreas Mladenow, Elisabeth Fuchs, Paul Dohmen, and Christine Strauss
- ❑ Enterprise 2.0 Integrated Communication and Collaboration Platform: A Conceptual Viewpoint
M. Polaschek, W. Zeppelzauer, N. Kryvinska, and C. Strauss
- ❑ Exploration of Factors Affecting the Advancement of Collaborative eBusiness in the Enterprises: Research Efforts Examination
O. Urikova, I. Ivanochko, N. Kryvinska, C. Strauss, and P. Zinterhof
- ❑ Organizational Pattern Discovery Linked to Activities
Serguei Dobrinevski

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- ❑ Performance Analysis of Oracle Database in Virtual Environments
Fares N. Almari, Pavol Zavorsky, Ron Ruhl, Dale Lindskog, and Amer Aljaedi
- ❑ Adaptive Diagnosis for Grids under the Comparison Model
Hong-Chun Hsu and Pao-Lien Lai
- ❑ Near-Real-Time Cloud Auditing for Rapid Response
Joon S. Park, Edward Spetka, Hassan Rasheed, Paul Ratazzi, and Keesook J. Han
- ❑ Performance Measurements in iVIC Virtual Machine Clones
James Hardy, Lu Liu, Nik Bessis, Lei Cui, and Jianxin Li

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- ❑ Improving Recommendation Flow with Centrality Measure in an Evolving Social Network
Somayeh Koohborfardhaghighi and Juntae Kim
- ❑ It is not a Game, Not Even Social: New Service Engineering Paradigms from Lessons Learned in Mobile Social Games in Japan
Toshihiko Yamakami
- ❑ Collaborative Context Experience in a Phonebook
Michal Szczerbak, François Toutain, Ahmed Bouabdallah, and Jean-Marie Bonnin
- ❑ Management of Multimedia Data for Streaming on a Distributed E-learning System
Tadafumi Hayakawa, Masayuki Higashino, Kenichi Takahashi, Takao Kawamura, and Kazunori Sugahara

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- ❑ Privacy-Preserving DRM for Cloud Computing
Ronald Petrlc and Christoph Sorge
- ❑ SAPSC: Security Architecture of Private Storage Cloud Based on HDFS
Qingni Shen, Yahui Yang, Zhonghai Wu, Xin Yang, Lizhe Zhang, Xi Yu, Zhenming Lao, Dandan Wang, and Min Long
- ❑ Cloud to Device Push Messaging on Android: A Case Study
Jarle Hansen, Tor-Morten Grønli, and Gheorghita Ghinea
- ❑ Towards a Framework for Context-Aware Services Management
Wei Dai, Jonathan J. Liu, and Axel Korthaus

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**The 2012 International Symposium
on Object-Oriented Intelligent Web Information
Technologies and Applications (OIWITA-2012)**

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- ❑ Developing a Cloud Intelligent and Energy-Saving Information Interface Agent with Web Services
Sheng-Yuan Yang and Dong-Liang Lee
- ❑ An Exploration of the Optimization of Executive Scheduling in the Cloud Computing
Chih-Yung Chen and Hsiang-Yi Tseng
- ❑ Design for Middle-Way of Intelligent Energy-Saving System with Embedded System
Dong-Liang Lee, Kune-Yao Chen, Chun-Liang Hsu, and Sheng-Yuan Yang

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- ❑ A Study on the Establishment of Online S-P Platform
Kune-Yao Chen, Hsiu-Chuan Liu, and Steve Tu
- ❑ Verifying the Produce of Car-Bind through Timed Petri Net
Dong-liang Lee, Jih-Fu Tu, Hsuan-Jung Lee, and Kwang Pi Chen
- ❑ Preference Sorting Based on User's Relevance Feedback
Lawrence Y. Deng, Yung-Hui Chen, and Yi-Jen Liu

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The International Workshop on Networked Virtual Enterprises (NetVE 2012)

- ❑ Collaborative Process Management for the Networked Enterprise: A Case Study
Ugo Barchetti, Antonio Capodieci, Anna Lisa Guido, and Luca Mainetti
- ❑ Managing Trust in Business Webs Using Game Theory
Hassan Fatemi, Marten van Sinderen, and Roel Wieringa
- ❑ An Ontological Approach for Dynamic Cross-Enterprise Collaboration
Vu Minh Hoang and Hanh Huu Hoang

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