

Table of Contents

Foreword	iii
Conference Organization	iv
Keynote: On the Naturalness of Software	
<i>Prem Devanbu</i>	xxv
Panel Discussion on Future Trends of Software Engineering and Knowledge Engineering	
<i>Moderator: Du Zhang</i>	
<i>Panelists: Masoud Sadjadi, Taghi Khoshgoftaar, Eric Grégoire, Swapna S. Gokhale and Marek Reformat.....</i>	xxvi
Data Mining	
Sparse Linear Influence Model for Hot User Selection on Mining a Social Network <i>Yingze Wang, Guang Xiang and Shi-Kuo Chang</i>	1
Mining Call Graph for Change Impact Analysis <i>Qiandong Zhang, Bixin Li and Xiaobing Sun</i>	7
A Mobile Application for Stock Market Prediction Using Sentiment Analysis <i>Kushal Jangid, Pratik Paul and Magdalini Eirinaki</i>	13
Requirement Engineering	
Using Semantic Relatedness and Locality for Requirements Elicitation Guidance <i>Stefan Farfeleder, Thomas Moser and Andreas Krall</i>	19
Phases, Activities, and Techniques for a Requirements Conceptualization Process <i>Alejandro Hossian and Ramón Garcia-Martínez</i>	25
Using Empirical Studies to Evaluate the REMO Requirement Elicitation Technique <i>Sérgio Roberto Costa Vieira, Davi Viana, Rogério do Nascimento and Tayana Conte</i>	33
Consistency Checks of System Properties Using LTL and Büchi Automata <i>Salamah Salamah, Matthew Engskow and Omar Ochoa</i>	39

Evaluating the Cost-Effectiveness of Inspecting the Requirement Documents: an Empirical Study <i>Narendar Mandala and Gursimran S. Walia</i>	45
Requirement Analysis and Automated Verification: a Semantic Approach (S) <i>Animesh Dutta, Prajna Devi Upadhyay and Sudipta Acharya</i>	51
Risk-Driven Non-Functional Requirement Analysis and Specification (S) <i>Yi Liu, Zhiyi Ma, Hui Liu and Weizhong Shao</i>	55
Eliciting Security Requirements in the Commanded Behavior Frame: an Ontology Based Approach (S) <i>Xiaohong Chen and Jing Liu</i>	61
An Overview of the RSLingo Approach (S) <i>David de Almeida Ferreira and Alberto Rodrigues da Silva</i>	66
Detecting Emergent Behavior in Distributed Systems Caused by Overgeneralization (S) <i>Seyedehmehrnaz Mireslami, Mohammad Moshirpour and Behrouz H. Far</i>	70
Special Session: Software Engineering with Comp. Intelligence & Machine Learning	
Stability of Filter-Based Feature Selection Methods for Imbalanced Software Measurement Data <i>Kehan Gao, Taghi M. Khoshgoftar and Amri Napolitano</i>	74
Semantic Interfaces Discovery Server <i>Laura Maria Chaves, José Renato Villela Dantas, Bruno de Azevedo Muniz, Júlio Cesar Campos Neto and Pedro Porfírio Muniz Farias</i>	80
Cloud Application Resource Mapping and Scaling Based on Monitoring of QoS Constraints <i>Xabriel J. Collazo-Mojica, S. Masoud Sadjadi, Jorge Ejarque and Rosa M. Badia</i>	88
An Empirical Study of Software Metric Selection Techniques for Defect Prediction <i>Huanjing Wang, Taghi M. Khoshgoftar, Randall Wald and Amri Napolitano</i>	94
Progressive Clustering with Learned Seeds: an Event Categorization System for Power Grid <i>Boyi Xie, Rebecca J. Passonneau, Haimonti Dutta, Jing-Yeu Miaw, Axinia Radeva, Ashish Tomar and Cynthia Rudin</i>	100

Multi-Objective Optimization of Fuzzy Neural Networks for Software Modeling <i>Kuwen Li, Marek Z. Reformat, Witold Pedrycz and Jinfeng Yu</i>	106
Generating Performance Test Scripts and Scenarios Based on Abstract Intermediate Models <i>Leandro T. Costa, Ricardo M. Czekster, Flávio M. de Oliveira, Elder M. Rodrigues, Maicon B. da Silveira and Avelino F. Zorzo</i>	112
Case Study	
A Catalog of Patterns for Concept Lattice Interpretation in Software Reengineering <i>Muhammad U.Bhatti, Nicolas Anquetil, Marianne Huchard, and Stéphane Ducasse</i>	118
Client-Side Rendering Mechanism: a Double-Edged Sword for Browser-Based Web Applications <i>Hao Han, Yinxing Xue and Keizo Oyama</i>	124
An Empirical Study on Improving Trust among GSD Teams Using KMR (S) <i>Mamoona Humayun and Cui Gang</i>	131
Modeling and Analysis of Switched Fuzzy Systems (S) <i>Zuohua Ding and Jiaying Ma</i>	135
An Empirical Study on Recommendation Methods for Vertical B2C E-Commerce (S) <i>Chengfeng Hui, Jia Liu, Zhenyu Chen, Xingzhong Du and Weiyun Ma</i>	139
Automated Approaches to Support Secondary Study Processes: a Systematic Review (S) <i>Jefferson Seide Molléri and Fabiane Barreto Vavassori Benitti</i>	143
Aspect-Oriented SE	
Enforcing Contracts for Aspect-Oriented Programs with Annotations, Pointcuts and Advice <i>Henrique Rebêlo, Ricardo Lima, Alexandre Mota, César Oliveira and Márcio Ribeiro</i>	148
Towards More Generic Aspect-Oriented Programming: Rethinking the AOP Joinpoint Concept (S) <i>Jonathan Cook and Amjad Nusayr</i>	154
Aspect-Oriented in the Development of Embedded Systems: a Systematic Review (S) <i>Leonardo Simas Duarte and Elisa Yumi Nakagawa</i>	158

Program Understanding

Evaluating Open Source Reverse Engineering Tools for Teaching Software Engineering
Swapna S. Gokhale, Thérèse Smith and Robert McCartney 162

Coordination Model to Support Visualization of Aspect-Oriented Programs
Álvaro F. d’Arce, Rogério E. Garcia, Ronaldo C. M. Correia and Danilo M. Eler 168

Improving Program Comprehension in Operating System Kernels with Execution
Trace Information (S)
Elder Vicente, Geycy Dyany, Rivalino Matias Jr. and Marcelo de Almeida Maia 174

Component-based SE

An Approach for Software Component Reusing Based on Ontological Mapping
*Shi-Kuo Chang, Francesco Colace, Massimo De Santo, Emilio Zegarra
and YongJun Qie* 180

Online Anomaly Detection for Components in OSGi-Based Software
Tao Wang, Wenbo Zhang, Jun Wei, Jianhua Zhang and Hua Zhong 188

An Exploratory Study of One-Use and Reusable Software Components (S)
Reghu Anguswamy and William B. Frakes 194

Choosing Licenses In Free Open Source Software (S)
Ioannis E. Foukarakis, Georgia M. Kapitsaki and Nikolaos D. Tselikas 200

Software Quality

A Unified Model for Server Usage and Operational Costs Based on User Profiles:
an Industrial Evaluation
Johannes Pelto-Piri, Peter Molin and Richard Torkar 205

A Model-Centric Approach for the Integration of Software Analysis Methods
Xiangping Chen, Jiayi Chen, Zibin Zhao and Lingshuang Shao 211

CATESR: Change-Aware Test Suite Reduction Based on Partial Coverage of Test Requirements
Lijiu Zhang, Xiang Chen, Qing Gu, Haigang Zhao, Xiaoyan Shi and Daoxu Chen 217

A Process Model for Human Resources Management Focused on Increasing the Quality of Software Development <i>Flávio E. A. Horita, Jacques D. Brancher and Rodolfo M. de Barros</i>	225
Verification of Cyber-Physical Systems Based on Differential-Algebraic Temporal Dynamic Logic (S) <i>Xiaoxiang Zhai, Bixin Li, Min Zhu, Jiakai Li, Qiaoqiao Chen and Shunhui Ji</i>	231
HybridUML Based Verification of CPS Using Differential Dynamic Logic (S) <i>Min Zhu, Bixin Li, Jiakai Li, Qiaoqiao Chen, Xiaoxiang Zhai and Shunhui Ji</i>	235
A HybridUML and QdL Based Verification Method for CPS Self-Adaptability (S) <i>Jiakai Li, Bixin Li, Qiaoqiao Chen, Min Zhu, Shunhui Ji and Xiaoxiang Zhai</i>	239
Agent-based Learning	
Disabling Subsumptions in a Logic-Based Component <i>Éric Grégoire and Sébastien Ramon</i>	243
i2Learning: Perpetual Learning through Bias Shifting <i>Du Zhang</i>	249
Evolutionary Learning and Fuzzy Logic Applied to a Load Balancer <i>Francisco Calaça Xavier, Max Gontijo de Oliveira and Cedric L. de Carvalho</i>	256
Using Social Networks for Learning New Concepts in Multi-Agent Systems <i>Shimaa M. El-Sherif, Behrouz Far and Armin Eberlein</i>	261
Special Session: Software Testing and Analysis with Intelligent Technology	
Identifying Coincidental Correctness for Fault Localization by Clustering Test Cases <i>Yi Miao, Zhenyu Chen, Sihan Li, Zhihong Zhao and Yuming Zhou</i>	267
Regression Testing Prioritization Based on Fuzzy Inference Systems <i>Pedro Santos Neto, Ricardo Britto, Thiago Soares, Werney Ayala, Jonathas Cruz and Ricardo Rabelo</i>	273
Parallel Path Execution for Software Testing over Automated Test Cloud (S) <i>Wei Liu, Xiaoqiang Liu, Feng Li, Yulong Gu, Lizhi Cai, Genxing Yang and Zhenyu Liu</i>	279

An Empirical Study of Execution-Data Classification Based on Machine Learning <i>Dan Hao, Xingxia Wu and Lu Zhang</i>	283
Identification of Design Patterns Using Dependence Analysis (S) <i>Wentao Ma, Xiaoyu Zhou, Xiaofang Qi, Ju Qian, Lei Xu and Rui Yang</i>	289
Slicing Concurrent Interprocedural Programs Based on Program Reachability Graphs (S) <i>Xiaofang Qi, Xiaojing Xu and Peng Wang</i>	293
Service-Centric SE	
A Usage-Based Unified Resource Model <i>Yves Wautelet, Samedi Heng and Manuel Kolp</i>	299
Petri Net Modeling of Application Server Performance for Web Services <i>M. Rahmani, A. Azadmanesh and H. Siy</i>	305
Implementing Web Applications as Social Machines Composition: a Case Study (S) <i>Kellyton dos Santos Brito, Lenin Ernesto Abadie Otero, Patrícia Fontinele Muniz, Leandro Marques Nascimento, Vanilson André de Arruda Burégio, Vinicius Cardoso Garcia and Silvio Romero de Lemos Meira</i>	311
Interactive Business Rules Framework for Knowledge Based Service Oriented Architecture (S) <i>Debasis Chanda, Dwijesh Dutta Majumder and Swapan Bhattacharya</i>	315
Defining RESTful Web Services Test Cases from UML Models (S) <i>Alexandre Luis Correa, Thiago Silva-de-Souza, Eber Assis Schmitz and Antonio Juarez Alencar</i>	319
A Model Introducing Soas Quality Attributes Decomposition (S) <i>Riad Belkhatir, Mourad Oussalah and Arnaud Viguiet</i>	324
Software as a Service: Undo (S) <i>Hernán Merlino, Oscar Dieste, Patricia Pesado and Ramon García-Martínez</i>	328
Petri Nets for SEKE	
A Petri Net Model for Secure and Fault-Tolerant Cloud-Based Information Storage <i>Daniel F. Fitch and Haiping Xu</i>	333

Decidability of Minimal Supports of S-invariants and the Computation of their Supported S-Invariants of Petri Nets <i>Faming Lu, Qingtian Zeng, Hao Zhang, Yunxia Bao and Jiufang An</i>	340
Automated Generation of Concurrent Test Code from Function Nets <i>Dianxiang Xu and Janghwan Tae</i>	346
SAMAT - A Tool for Software Architecture Modeling and Analysis <i>Su Liu, Reng Zeng, Zhuo Sun and Xudong He</i>	352
Singular Formulas for Compound Siphons, Complementary Siphons and Characteristic Vectors for Deadlock Prevention in Cloud Computing (S) <i>Gaiyun Liu, D.Y.Chao and Yao-Nan Lien</i>	359
Model-Based Metamorphic Testing: A Case Study <i>Junhua Ding and Dianxiang Xu</i>	363
Verifying Aspect-Oriented Activity Diagrams Against Crosscutting Properties with Petri Net Analyzer <i>Zhanqi Cui, Linzhang Wang, Xi Liu, Lei Bu, Jianhua Zhao, and Xuandong Li</i>	369
Parametric Verification of TimeWorkflow Nets <i>Hanifa Boucheneb and Kamel Barkaoui</i>	375
Resource Modeling and Analysis for Workflows: a Petri Net Approach <i>Jiacun Wang and Demin Li</i>	381
Security and Privacy	
ACADA: Access Control-Driven Architecture with Dynamic Adaptation <i>Óscar Mortágua Pereira, Rui L. Aguiar and Maribel Yasmina Santos</i>	387
Connectors for Secure Software Architectures <i>Michael E. Shin, Bhavya Malhotra, Hassan Gomaa and Taeghyun Kang</i>	394
How Social Network APIs Have Ended the Age of Privacy (S) <i>Derek Doran, Sean Curley and Swapna S. Gokhale</i>	400

Computer Forensics: Toward the Construction of Electronic Chain of Custody on the Semantic Web (S)	
<i>Tamer Fares Gayed, Hakim Lounis and Moncef Bari</i>	406

Ontologies and Architecture

A Holistic Approach to Software Traceability	
<i>Hazeline U. Asuncion and Richard N. Taylor</i>	412

Pointcut Design with AODL (S)	
<i>Saqib Iqbal and Gary Allen</i>	418

Feature modeling and Verification Based on Description Logics (S)	
<i>Guohua Shen, Zhiqiu Huang, Changbao Tian, Qiang Ge and Wei Zhang</i>	422

A Context Ontology Model for Pervasive Advertising: a Case Study on Pervasive Displays (S)	
<i>Frederico Moreira Bublitz, Hyggo Oliveira de Almeida and Angelo Perkusich</i>	426

Ontology-based Representation of Simulation Models (S)	
<i>Katarina Grolinger, Miriam A. M. Capretz, José R. Marti and Krishan D. Srivastava</i>	432

An Ontology-based Approach for Storing XML Data Into Relational Databases (S)	
<i>Francisco Tiago Machado de Avelar, Deise de Brum Saccol and Eduardo Kessler Piveta</i>	438

Automatic Generation of Architectural Models From Goals Models (S)	
<i>Monique Soares, João Pimentel, Jaelson Castro, Carla Silva, Cleice Talitha, Gabriela Guedes and Diego Dermeval</i>	444

Towards Architectural Evolution through Model Transformations (S)	
<i>João Pimentel, Emanuel Santos, Diego Dermeval, Jaelson Castro and Anthony Finkelstein</i>	448

Testing

Using FCA-Based Change Impact Analysis for Regression Testing	
<i>Xiaobing Sun, Bixin Li, Chuanqi Tao and Qiandong Zhang</i>	452

Forecasting Fault Events in Power Distribution Grids Using Machine Learning	
<i>Aldo Dagnino, Karen Smiley and Lakshmi Ramachandran</i>	458

Testing Interoperability Security Policies
Mazen EL Maarabani, César Andrés and Ana Cavalli 464

A New Approach to Evaluate Path Feasibility and Coverage Ratio of EFSM
Based on Multi-objective Optimization
Rui Yang, Zhenyu Chen, Baowen Xu, Zhiyi Zhang and Wujie Zhou 470

Structural Testing for Multithreaded Programs: an Experimental Evaluation of the Cost,
Strength and Effectiveness (S)
Silvana M. Melo, Simone R. S. Souza and Paulo S. L. Souza 476

Programming Languages

Towards a Unified Source Code Measurement Framework Supporting Multiple
Programming Languages (S)
*Reisha Humaira, Kazunori Sakamoto, Akira Ohashi, Hironori Washizaki
and Yoshiaki Fukazawa* 480

A Tiny Specification Metalanguage (S)
Walter Wilson and Yu Lei 486

SciprovMiner: Provenance Capture Using the OPM Model (S)
*Tatiane O. M. Alves, Wander Gaspar, Regina M. M. Braga, Fernanda Campos, Marco Antonio
Machado and Wagner Arbex* 491

Engineering Graphical Domain Specific Languages to Develop Embedded Robot Applications (S)
Daniel B. F. Conrado and Valter V. de Camargo 495

Patterns and Frameworks

Dynamically Recommending Design Patterns
S. Smith and D. R. Plante 499

Towards a Novel Semantic Approach for Process Patterns' Capitalization and Reuse
Nahla JLAIEL and Mohamed BEN AHMED 505

DC2AP: a Dublin Core Application Profile to Analysis Patterns (S)
*Lucas Francisco da Matta Vegi, Jugurta Lisboa-Filho, Glauber Luis da Silva Costa,
Alcione de Paiva Oliveira and José Luís Braga* 511

Modeling

Bridging KDM and ASTM for Model-Driven Software Modernization <i>Gaëtan Deltombe, Olivier Le Goer and Franck Barbier</i>	517
Modal ZIA, Modal Refinement Relation and Logical Characterization <i>Zining Cao</i>	525
Towards Autonomic Business Process Models <i>Karolyne Oliveira, Jaelson Castro, Sergio España and Oscar Pastor</i>	531
Iinteroperable EMR Message Generation: a Model-Driven Software Product Line Approach (S) <i>Deepa Raka, Shih-Hsi Liu and Marjan Mernik</i>	537
A Data Collaboration Model for Collaborative Design Based on C-Net (S) <i>Xin Gao, Wenhui Hu, Wei Ye, ZHANG Shi-kun and Xuan Sun</i>	541

Tools and Environment

Working and Playing with SCRUM <i>Erick Passos, Danilo Medeiros, Wandresson Araújo and Pedro Santos Neto</i>	545
Follow-the-Sun Software Development: a Controlled Experiment to Evaluate the Benefits of Adaptive and Prescriptive Approaches <i>Josiane Kroll, Alan R. Santos, Rafael Prikladnicki, Estevão R. Hess, Rafael A. Glanzner, Afonso Sales, Jorge L. N. Audy and Paulo H. L. Fernandes</i>	551
Software Process Monitoring Using Statistical Process Control Integrated in Workflow Systems <i>Marília Aranha Freire, Daniel Alencar da Costa, Eduardo Aranha and Uirá Kulesza</i>	557

AI for SE

Model Transformation for Frameworks Using Logical Planning <i>Guilherme A. Marchetti and Edson S. Gomi</i>	563
Investigating the Use of Bayesian Networks as a Support Tool for Monitoring Software Projects (S) <i>Fábio Pittoli, Abraham L. R. de Sousa and Daltro J Nunes</i>	570

Reuse of Experiences Applied to Requirements Engineering: an Approach Based on Natural Language Processing (S) <i>Adriano Albuquerque, Vladia Pinheiro and Thiago Leite</i>	574
---	-----

Specification of Safety Critical Systems with Intelligent Software Agent Method (S) <i>Vinitha Hannah Subburaj, Joseph E. Urban and Manan R. Shah</i>	578
--	-----

Human-Computer Interaction

Using the Results from a Systematic Mapping Extension to Define a Usability Inspection Method for Web Applications <i>Luis Rivero and Tayana Conte</i>	582
---	-----

Improving a Web Usability Inspection Technique through an Observational Study <i>Priscila Fernandes, Tayana Conte and Bruno Bonifacio</i>	588
---	-----

Identification Guidelines for the Design of Interfaces in the Context of ECAs and ADHD (S) <i>Sandra Rodrigues Sarro Boarati and Cecilia Sosa Arias Peixoto</i>	594
--	-----

Measuring the Effect Of Usability Mechanisms On User Efficiency, Effectiveness and Satisfaction (S) <i>Marianella Aveledo M., Diego M. Curtino, Agustın De la Rosa H. and Ana M. Moreno S</i>	599
--	-----

Automatic Generation of Web Interfaces from User Interaction Diagrams (S) <i>Filipe Bianchi Damiani and Patrıcia Vilain</i>	605
---	-----

Semantic Web

Semantic Technology Recommendation Based on the Analytic Network Process <i>Filip Radulovic and Raul Garcıa-Castro</i>	611
---	-----

P2P-Based Publication and Location of Web Ontology for Knowledge Sharing in Virtual Communities (S) <i>Huayou Si, Zhong Chen and Yong Deng</i>	617
---	-----

Software Product Lines

Empirical Validation of Variability-based Complexity Metrics for Software Product Line Architecture <i>Edson A. Oliveira Junior, Itana M. S. Gimenes and Jose C. Maldonado</i>	622
--	-----

A Mapping Study on Software Product Lines Testing Tools <i>Crescencio Rodrigues Lima Neto, Paulo Anselmo Mota Silveira Neto, Eduardo Santana de Almeida and Silvio Romero de Lemos Meira</i>	628
Optimal Variability Selection in Product Line Engineering <i>Rafael Pinto Medeiros, Uéverton dos Santos Souza , Fábio Protti and Leonardo Gresta Paulino Murta</i>	635
Synthesizing Evidence on Risk Management: a Narrative Synthesis of Two Mapping Studies (S) <i>Luanna Lopes Lobato, Ivan do Carmo Machado, Paulo Anselmo da Mota Silveira Neto, Eduardo Santana de Almeida and Silvio Romero de Lemos Meira</i>	641
PlugSPL: an Automated Environment for Supporting Plugin-Based Software Product Lines (S) <i>Elder M. Rodrigues, Avelino F. Zorzo, Edson A. Oliveira Junior, Itana M. S. Gimenes, José C. Maldonado and Anderson R. P. Domingues</i>	647
GS2SPL: Goals and Scenarios to Software Product Lines <i>Gabriela Guedes, Carla Silva, Jaelson Castro, Monique Soares, Diego Dermeval and Cleice Souza</i>	651
A Set of Inspection Techniques on Software Product Line Models <i>Rafael Cunha, Tayana Conte, Eduardo Santana de Almeida and José Carlos Maldonado</i>	657
Non-Functional Properties in Software Product Lines: a Taxonomy for Classification (S) <i>Mahdi Noorian, Ebrahim Bagheri and Weichang Du</i>	663
A Proposal of Reference Architecture for the Reconfigurable Software Development (S) <i>Frank José Affonso and Evandro Luis Linhari Rodrigues</i>	668
Dependability and Maintenance	
A Variability Management Method for Software Configuration Files <i>Hiroaki Tanizaki, Toshiaki Aoki and Takuya Katayama</i>	672
Tool Support for Anomaly Detection in Scientific Sensor Data (S) <i>Irbis Gallegos and Ann Gates</i>	678
Reconfiguration of Robot Applications Using Data Dependency and Impact Analysis (S) <i>Michael E. Shin, Taeghyun Kang, Sunghoon Kim, Seungwook Jung and Myungchan Roh</i>	684

Automated Software Specification

Spacemaker: Practical Formal Synthesis of Tradeoff Spaces for Object-Relational Mapping
Hamid Bagheri, Kevin Sullivan and Sang H. Son 688

A Formal Support for Incremental Behavior Specification in Agile Development
Anne-Lise Courbis, Thomas Lambolais, Hong-Viet Luong, Thanh-Liem Phan, Christelle Urtado and Sylvain Vauttier 694

Knowledge Acquisition and Visualization

A Process-Based Approach to Improving Knowledge Sharing in Software Engineering
Sarah B. Lee and Kenneth Steward 700

Automatic Acquisition of isA Relationships from Web Tables
Norah Alrayes and Wo-Shun Luk 706

A Light Weight Alternative for OLAP
Hugo Cordeiro, Jackson Casimiro and Erick Passos 712

A Tool for Visualization of a Knowledge Model (S)
Simon Suigen Guo, Christine W. Chan and Qing Zhou 718

UML

Rendering UML Activity Diagrams as a Domain Specific Language— ADL
Charoensak Narkngam and Yachai Limpiyakorn 724

umlTUowl - a Both Generic and Vendor-Specific Approach for UML to OWL Transformation
Andreas Grünwald and Thomas Moser 730

A Framework for Class Diagram Retrieval Using Genetic Algorithm (S)
Hamza Onoruoiza Salami and Moataz A. Ahmed 737

Measurement and Adaptive Systems

Managing Linear Hash in a Closed Space
Satoshi NARATA and Takao MIURA 741

CLAT: Collaborative Learning Adaptive Tutor
Alaeddin M.H Alawawdeh, César Andrés and Luis Llana 747

A proposal for the improvement of the Technique of Earned Value Management Utilizing the History of Performance Data (S)	
<i>Adler Diniz de Souza and Ana Regina Cavalcanti Rocha</i>	753

Agents and Mobile Systems

A Goal-Driven Method for Selecting Issues Used in Agent Negotiation (S)	
<i>Yen-Chieh Huang and Alan Liu</i>	759

Using Cell Phones for Mosquito Vector Surveillance and Control (S)	
<i>S. Lozano-Fuentes, S. Ghosh, J. M. Bieman, D. Sadhu, L. Eisen, F. Wedyan, E. Hernandez-Garcia, J. Garcia-Rejon and D. Tep-Chel</i>	763

Proactive Two Way Mobile Advertisement Using a Collaborative Client Server Architecture (S)	
<i>Weimin Ding and Xiao Su</i>	768

Poster/Demo

The COIN Platform: Supporting the Marine Shipping Industrial Sector (P)	
<i>Achilleas P. Achilleos, Georgia M. Kapitsaki, George Sielis, and George A. Papadopoulos....</i>	A-1

A proposal for the Improvement of the Technique of EVM Utilizing the History of Performance Data (P)	
<i>Adler Diniz de Souza and Ana Regina Cavalcanti Rocha</i>	A-3

Checking Contracts for AOP Using XPIDRs (P)	
<i>Henrique Rebelo, Ricardo Lima, Alexandre Mota, César Oliveira, Márcio Ribeiro</i>	A-5

Author’s Index	A-6
-----------------------------	-----

Reviewer’s Index	A-12
-------------------------------	------

Poster/Demo Presenter’s Index	A-15
--	------

Note: (S) indicates a short paper.

(P) indicates a poster or demo, which is not a refereed paper.