Session 6C: Verification and Validation II
P268 Identifying Stagnation Periods in Software Evolution by Replaying Editing Operations T. Omori and K. Maruyama (Japan)
P269 Towards Automated Verification of Distributed Consensus Protocols T. Minamikawa, T. Tsuchiya, and T. Kikuno (Japan)

Session 6D: Software Testing II
P270 Problematic Code Change Identification Using Multiple Detection Results Y. Higo, K-I. Sawa, and S. Kusumoto (Japan)
P272 Assessing Correction, Enhancement, and Retraction Maintenance Processes: A Controlled Experiment V. Nguyen, S. Bauder, and D. Dapphilten (USA and Thailand)
P273 Identifying Migration Paradigms in Software Evolution by Replaying Editing Operations T. Okawa and M. van der Linden (Japan)

Session 9C: Software Engineering II
P285 Automated Checking of C programs using SAT-based Branch Entailment Model Checking G. Fox, H. Yu, Y. Li, and X. Liu (China)

Session 10A: Co-located Event
P286 An Automatic Compliance Checking Approach for Software Processes X. He, J. Guo, Y. Wang, and J. Ma (China)
P287 Applying a Systematic Approach to Link Requirements and Testing X. Li, A. Bai, R. Guo, J. Zhao, and B. Qin (China)
P288 A Path of Software Process Improvement in Thailand F. Mongkolpaisal, S. Supaphol, V. Virojanadara, and S. Pongpapong (Thailand)
P289 Model-Driven Exploration for Simulation of Software Process Performance E. Khosravi, M. Bally, H. Fawaz, and J. Vermer (Australia and Ireland)
P290 Deploying Run Time Resource Management in an Enterprise Environment with the GT3D System V. Xia, B. Lim, and K. Cheng (Canada and China)
P291 Load Testing of a Continuous Delivery System using Selenium and JMeter D. Silva, V. Freitas, and J. Monteiro (Portugal)
P293 Requirements Identification and Representation in Software Product Line S. Al-Mahmood, S. A. Al-Kindie, and S. Al-Salim (Malaysia)
P295 Requirement Engineering and Representation in Software Product Lines S. M. A. Al-Mahmood, S. Al-Kindie, and S. Al-Salim (Malaysia)
P297 Problematic Code Change Identification Using Multiple Detection Results Y. Higo, K-I. Sawa, and S. Kusumoto (Japan)
P299 Assessing Correction, Enhancement, and Retraction Maintenance Processes: A Controlled Experiment V. Nguyen, S. Bauder, and D. Dapphilten (USA and Thailand)
P300 Identifying Migration Paradigms in Software Evolution by Replaying Editing Operations T. Okawa and M. van der Linden (Japan)

Session 11A: Co-located Event
P301 Automated Model-Checking Consistency using Data Flow Testing C-W. Wang and A. Cavarra (UK)
P302 Analysis of Problems in Testing Practices J. Kasurinen, O. Taipale, and K. Smolander (Finland)
P303 Checking Model Consistency using Data-Flow Testing C-W. Wang and A. Cavarra (UK)
P304 Directed Test Suite Augmentation Z. Xu and G. Rothermel (USA)
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P306 Analysis of Problems in Testing Practices J. Kasurinen, O. Taipale, and K. Smolander (Finland)
P307 Checking Model Consistency using Data-Flow Testing C-W. Wang and A. Cavarra (UK)
P308 Analysis of Problems in Testing Practices J. Kasurinen, O. Taipale, and K. Smolander (Finland)
P309 Checking Model Consistency using Data-Flow Testing C-W. Wang and A. Cavarra (UK)
P310 Analysis of Problems in Testing Practices J. Kasurinen, O. Taipale, and K. Smolander (Finland)
An Efficient Context-based User Interface by Exploiting Temporality of Attributes
M. Kumara Swamy and P. Krishna Reddy (India)

PROGRAMME SCHEDULE

Session 1A: Metrics and Measurement I

P001 Improving the Accuracy of Software Effort Estimation based on Multiple Least Square Regression Models by Estimation Error-based Data Partitioning
Y-S Seo, K-A Yoon, and D-H Bae (Korea)

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Session 1C: Verification and Validation I

P169 Analysis of the OLSR Protocol by using formal passive testing
C. Andres, S. Maag, A. Cavalli, M. G. Merayo, and M. Nunez (Spain and France)

A graph based approach to detecting causes of implied scenarios under the asynchronous and synchronous communication styles
I-G Song, S-U Jeon, and D-H Bae (Korea)

Session 2B: Program Analysis

P241 A Light-Weight Formal Approach for Modeling, Verifying and Integrating Role-Based Access Control Requirements
S. Zafar (Pakistan)

Search-Based Testing Guidance Using Dominances vs. Control Dependencies
A. S. Ghiduk (Egypt)

Session 2C: Software Testing I

P174 Improving the Effect of Pair Programming and Software Size on Software Quality and Programmer Productivity
R. Sison (Philippines)

Investigating the Effect of Refactoring on Software Testing Effort
K. Elish and M. Alshayeb (Saudi Arabia)

Session 3A: Metrics and Measurement II

P011 Measuring the Accuracy of Software Effort Estimation based on Correlation Weighting
K. Elish and M. Alshayeb (Saudi Arabia)

Session 3B: Software Design II

P226 Describing Pattern Languages for Checking Design Models
B. Zamani and G. Butler (Canada)

P245 Analysis and Composition of Multiple Aspects
Nafees Qamar (France)

Session 4B: Program Analysis

P230 Contribution-Based Call Stack Abstraction and Its Application in Pointer Analysis of AspectJ Programs
J. Qian and B. Xu (China)

Session 5C: Software Testing II

P084 Improve Analogy-based Software Effort Estimation Using Principal Components Analysis and Correlation Weighting
J. Wen, S. Li, and L. Tang (China)

A graph based approach to detecting causes of implied scenarios under the asynchronous and synchronous communication styles
I-G Song, S-U Jeon, and D-H Bae (Korea)

Session 6A: Requirements Engineering

P212 Defining High-Level Functional Design from Software Requirements
V.A. Parapunova, A. K. Kovalchuk, K. Verma, A. Parapunova, and A. Parapunova (UK and Egypt)

Session 6B: Software Architecture

P037 The Context Dynamics Matrix (CDM): An Approach to Refactoring Software Components
D. Budgen, K. R. Schougaard, and B. Christensen (Denmark and Iceland)

Session 6C: Software Architecture

P070 Software Evolution: A Case Study of Software Architecture Design
S. Zafar (Pakistan)

P171 The Nature of Software Architecture and its Effective Evolution
J. H. Lin, Z. Liu, and J. Ren (China)

Session 7A: Testing and Evaluation

P092 Investigating the Effect of Pair Programming and Software Size on Software Quality and Programmer Productivity
R. Sison (Philippines)

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Session 7B: Requirements Engineering

P205 On Detecting Feature Interactions in Model-based System Development
M. D. Würsch, D. Schénal, and M. K. Gogolla (Switzerland)

Session 8A: Testing and Evaluation

P115 Re-defining the Requirements Engineering Process for Software Systems
B. Schuhardt, S. Schuhardt, and A. A. Abd Ghani (Malaysia)

Session 8B: Requirements Engineering

P083 Implementing a California Style Requirement Engineering Process
J. Oo, Z. You, and K. Ramamurthy (India)

Session 8C: Software Architecture

P024 Domain-Driven Design: A Survey of the Literature
S. T. Hevner, G. Marchionini, S. Tamassia, and I. Ausubel (USA)

Session 9A: Testing and Evaluation

P137 The Context Dynamics Matrix (CDM): An Approach to Refactoring Software Components
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Session 12A: Testing and Evaluation

P092 Investigating the Effect of Pair Programming and Software Size on Software Quality and Programmer Productivity
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