ICSOFT-PT
2014

Proceedings of the
9th International Conference on
Software Paradigm Trends

Vienna, Austria
29 - 31 August, 2014

Sponsored by
INSTICC – Institute for Systems and Technologies of Information, Control and Communication

Co-organized by
OCG – Austrian Computer Society
TU Wien – Vienna University of Technology

In Cooperation with
IEICE/SWIM – IEICE Special Interest Group on Software Enterprise Modelling

Technically Co-sponsored by
INVITED SPEAKERS

KEYNOTE SPEAKERS

What a Tangled Effort Estimation Web We Weave! - How Can Knowledge Management Disentangle This Web?  
Emilia Mendes  

Social Structures in Software Engineering  
J.C. (Hans) van Vliet  

Democratization in Science and Technology through Cloud Computing  
Ivona Brandič  

Model-Driven Development of Multi-View Modelling Tools: The MUVIEMOT Approach  
Dimitris Karagiannis

MODELS

FULLPAPERS

Functional Requirements Under Security PresSuRE  
Stephan Faßbender, Maritta Heisel and Rene Meis  

Propagating Model Refactorings to Graph Transformation Rules  
Sabine Winetzhammer and Bernhard Westfechtel  

An LTL Semantics of BusinessWorkflows with Recovery  
Luca Ferrucci, Marcello M. Bersani and Manuel Mazzara

SHORTPAPERS

Real-time Reconfigurable Scheduling of Aperiodic OS Tasks on Multiprocessor Systems  
Hamza Gharsellaoui, Atef Gharbi and Samir Ben Ahmed  

The Impact of Agile Approaches on Software Quality Attributes - An Empirical Study  
Doaa M. Shawky and Salwa K. Abd-El-Hafiz  

Developing User Interfaces with EMF Parsley  
Lorenzo Bettini  

Modelling Microservices in Email-marketing - Concepts, Implementation and Experiences  
Martin E. Brüggemann, Raoul Vallon, Aykut Parlak and Thomas Grechenig  

A Meta-Modeling Approach for Extending the Instructional Design Semantics of Learning Management Systems  
Esteban Loiseau, Pierre Lafortune and Sébastien Iksal  

Model Weaving and Pedagogy - Mapping Abstraction Levels in Instructional Design Languages  
Esteban Loiseau, Pierre Lafortune and Sébastien Iksal  

Automated Quantitative Attributes Prediction from Architectural Description Language  
Imen Derbel, Lamia Labed Jilani and Ali Mili
Refining Use Cases through Temporal Relations  
António Miguel Rosado da Cruz  

Semantic Resource Adaptation Based on Generic Ontology Models  
Bujar Raufi, Florije Ismaili, Jaumin Ajdari, Mexhid Ferati and Xhemal Zenuni  

Traditional vs Agile Development - A Comparison Using Chaos Theory  
Doaa M. Shawky  

Measurement of Fairness in Process Models Using Entropy and Stochastic Petri Nets  
Martin Ibl  

A Visual Programming Language for Soccer  
António Belguinha, Pedro Rodrigues, P.J.S. Cardoso, J.M.F. Rodrigues and Domingos Paciência  

ASPECTS  

FULL PAPERS  

Model-Driven Development Versus Aspect-Oriented Programming - A Case Study  
Uwe Hohenstein and Christoph Elsner  

Aspect-oriented Requirements Engineering with Problem Frames  
Stephan Faßbender, Maritta Heisel and Rene Meis  

SHORT PAPER  

Combining Aspect-orientation and UPPAAL Timed Automata  
Dragos Truscan, Jüri Vain and Martin Koskinen  

SERVICES  

SHORT PAPER  

The RITMARE Starter Kit - Bottom-up Capacity Building for Geospatial Data Providers  
Cristiano Fugazza, Stefano Menegon, Monica Pepe, Alessandro Oggioni and Paola Carrara  

CONTEXT  

SHORT PAPER  

On Specifying and Verifying Context-aware Systems  
Brahim Djoudi, Chafia Bouanaka and Nadia Zeghib  

AUTHOR INDEX