CONTENTS

INVITED SPEAKERS

KEYNOTE SPEAKERS

Design by Units - A Novel Approach for Building Elastic Systems
Schahram Dustdar IS-5

Hybrid Modeling
Dimitris Karagiannis IS-7

Managing Online Business Communities
Steffen Staab IS-9

Requirements Engineering: Panacea or Predicament?
Pericles Loucopoulos IS-11

Trends in Blog Preservation
Yannis Manolopoulos IS-13

PAPERS

FULL PAPERS

Precise Guidance to Dynamic Test Generation
TheAnh Do, A. C. M. Fong and Russel Pears 5

Roles as Modular Units of Composition
Fernando Barbosa and Ademar Aguiar 13

Interoperability Constraints in Service Selection Algorithms
Pawel L. Kaczmarek 23

Improving Event Correlation for Non-process Aware Information Systems
Ricardo Pérez-Castillo, Barbara Weber; Ignacio García-Rodríguez and Mario Piattini 33

A Survey of Infeasible Path Detection
Sun Ding, Hee Beng Kuan Tan and Kai Ping Liu 43

A Logic-based Passive Testing Approach for the Validation of Communicating Protocols
Xiaoping Che, Felipe Lalanne and Stephane Maag 53

A Meta-model for Representing Language-independent Primary Dependency Structures
Ioana Șora 65

Social Adaptation - When Software Gives Users a Voice
Raian Ali, Carlos Solis, Inah Omoronyia, Mazetar Salehie and Bashar Nuseibeh 75

Agent Oriented Software Engineering for Multimedia Systems' Development - An Experimental Case Study
Alma M. Gómez-Rodríguez, Juan Carlos González-Moreno, David Ramos-Varcárcel and Francisco Javier Rodríguez-Martínez 85

Handling Inconsistency in Software Requirements
Richa Sharma and K. K. Biswas 95

XI
Proposal to Improve the Requirements Process through Formal Verification using Deductive Approach
Radoslaw Klimek

SHORT PAPERS

How can you be Agile in “Rough Terrain” and under “Tight Boundary Conditions” - Industrial Experience Report
Peter Fafibinder

An Event-driven Approach for the Separation of Concerns
Hayim Makabee

A Domain Ontology for Software Process Architecture Description
Fadila Aoussat, Mourad Oussalah and Mohamed Ahmed-Nacer

Agile Development of Critical Software – Can It be Justified?
Jamisz Gorski and Katarzyna Lukasiewicz

Refactoring Business Process Models - A Systematic Review
Maria Fernández-Ropero, Ricardo Pérez-Castillo and Mario Piatti

The Recursion Scheme of the Trace Function Method
Baltasar Trancon y Widemann

Ranking Web Services using Centralities and Social Indicators
Tilo Zemke, José Ignacio Fernández-Villamor and Carlos A. Iglesias

Agile Development with Stepwise Feature Introduction
Mikołaj Olszewski and Ralph-Johan Back

A Generic Approach for the Identification of Variability
Anilloy Frank and Eugen Brenner

Findability through Traceability - A Realistic Application of Candidate Trace Links?
Markus Borg

Reduction of Program-generation Times by Transformation-sequence Optimization
Martin Kühlemann, Andreas Lübecke and Gunter Saake

Towards Online Data Mining System for Enterprises
Jan Kupčík and Tomáš Hruška

POSTERS

Business Processes Modeling through Multi Level Activity Diagrams
Denis Del Villano, Gaetanino Paolone and Paolino Di Felice

SOAQE - Service Oriented Architecture Quality Evaluation
Riad Belkhatir, Mourad Oussalah and Arnaud Viguier

Are Use Case Modeling Features Underutilized? - A Lightweight Survey that Raises Concerns
Mohamed El-Attar, Khaldoun Halawani, Moustafa Alsaleh and Mahmood Niazi

Towards Experimental Assessment of Security Threats in Protecting the Critical Infrastructure
Jamisz Zalewski, Steven Drager, William McKeever and Andrew J. Kornecki

XII
SPECIAL SESSION ON MODEL-DRIVEN ARCHITECTURE AND MODELING-DRIVEN SOFTWARE DEVELOPMENT

FULL PAPERS

Semantics of Logical Relations in Topological Functioning Model
Uldis Donins

Using Use Cases for Domain Modeling
Janis Osis, Armands Slihte and Asnate Jansone

System Thinking for Formal Analysis of Domain Functioning in the Computation Independent Model
Erika Asnina, Janis Osis and Asnate Jansone

Topological Functioning Model and Services Identification - An Approach for Services Identification from a Topological Functioning Model
Gundars Alksnis, Erika Asnina and Uldis Sukovskis

Formal Analysis of Objects State Changes and Transitions
Uldis Donins, Janis Osis, Erika Asnina and Asnate Jansone

AUTHOR INDEX