

MODELS 2008 Conference Technical Program

Wednesday, October 1st

9h - 10h30	Opening Invited talk: Jeff Kramer “Abstraction and Modelling - a complementary partnership”		
10h30 – 11h 00	Coffee break		
11h-12h30	Session 1 “Model Transformation: Foundations” <i>Algebraic models for bidirectional model synchronization</i> - Zinovy Diskin <i>An Invariant-based Method for the Analysis of Declarative Model-to-Model Transformations</i> - Jordi Cabot, Robert Claris ?, Esther Guerra, and Juan de Lara <i>Precise Semantics of EMF Model Transformations by Graph Transformation</i> - Enrico Biermann, Claudia Ermel, and Gabriele Taentzer	Session 2 “Requirements Modeling ” <i>A Formal Metamodel for Problem Frames</i> - Denis Hatebur, Maritta Heisel, and Holger Schmidt <i>Visualization of use cases through automatically generated activity diagrams</i> - Javier J. Gutié?rrez, Cleméntine Nebut, María J. Escalona, Manuel Mejía and Isabel Ramos	Session 3 “ Domain-Specific Modeling ” <i>WebWorkFlow: An Object-Oriented Workflow Modeling Language for Web Applications</i> - Zef Hemel, Ruben Verhaaf, Eelco Visser <i>The Future of Train Signaling</i> - Andreas Svendsen, Øystein Haugen, Gørán K. Olsen, Erik Carlson, Jan Endresen, Thomas Moen, Kjell-Joar Alme <i>NAOMI - An Experimental Test Bed for Multi Modeling</i> - Trip Denton, Edward Jones, Sriniv Srinivasan, Kenneth Owens, Richard Buskens
12h30-14h00	Lunch		
14h00-15h30	Invited talk: Patrick Rauhut “3D parametric models for aeroplanes - from idea to design”		
15h30-16h00	Coffee break		
16h00-17h30	Session 4 “Model Transformation: Techniques ” <i>Model Transformation as an Optimization Problem</i> - Marouane Kessentini, Houari Sahraoui, Mounir Boukadoum <i>Example-based Program Transformation</i> - Romain Robbes, Michele Lanza <i>Detecting Patterns of Poor Design Solutions Using Constraint Propagation</i> - Ghizlane El-Boussaïdi , Hafedh Mili	Session 5: “Composition and Analysis of Behavioral Models ” <i>A General Approach for Scenario Integration</i> Hongzhi Liang, Zinovy Diskin, Juergen Dingel, Ernesto Posse <i>Behavioral Modelling and Composition of Object Slices Using Event Observation</i> Iulian Ober, Bernard Coulette, Younes Lakhrissi <i>Scenario-based Static Analysis of UML Behavioral Properties</i> Lijun Yu, Robert B. France, Indrakshi Ray	Session 6: “Model Comprehension ” <i>Constructing Models with the Human-Usable Textual Notation</i> - Louis M. Rose, Richard F. Paige, Dimitrios S. Kolovos, Fiona A.C. Polack <i>X3D-UML: 3D UML State Machine Diagrams</i> - Paul McIntosh, Margaret Hamilton, Ron van Schyndel <i>Assessing the Influence of Stereotypes on the Comprehension of UML Sequence Diagrams: A Controlled Experiment</i> - Marcela Genero, Jose A. Cruz-Lemus, Danilo Caivano, Silvia Abrahao, Emilio Insfran, Jose A. Cars

Thursday, October 2nd

9h - 10h30	Invited talk: Don Batory “The Objects and Arrows of Computational Design”		
10h30 – 11h 00	Coffee break		
11h-12h30	<p>Session 7 “Model Management ” <i>MOOGLE: a Model Search Engine</i> - Daniel Lucredio, Renata P. M. Fortes, Jon Whittle <i>Managing model conflicts in distributed development</i> Antonio Cicchetti, Davide Di Ruscio, Alfonso Pierantonio <i>Meta-model Matching for Automatic Model Transformation Generation</i> - Jean-Rémy Falleri, Marianne Huchard, Mathieu Lafourcade, Clémentine Nebut</p>	<p>Session 8 “Behavioral Conformance and Refinement” <i>Sufficient Criteria for Consistent Behavior Modeling with Refined Activity Diagrams</i> - Stefan Jurack, Leen Lambers, Katharina Mehner, Gabriele Taentzer <i>Implementation of Conformance Relation for Incremental Development of Behavioral Models</i> Hong-Viet Luong, Thomas Lambolais, and Anne-Lise Courbis <i>A Model-Based Framework for Statically and Dynamically Checking Component Interactions</i> - Guillaume Waignier, Prawee Sriplakich, Anne-Francoise Le Meur, Laurence Duchien</p>	<p>Session 9 “Metamodeling and Modularity ” <i>Formal Definition of MOF 2.0 Meta-Modeling Components and Composition</i> - Ingo Weisemoller, Andy Schurr <i>Interfaces and Metatypes for Models and Metamodels</i> - Anders Hessellund, Andrzej Wasowski <i>Model & Metamodel, Metadata and Document Repository for Software and Data Integration</i> - Nikola Milanovic, Ralf Kutsche, Timo Baum, Mario Cartsburg, Hatice Elmasgunes, Marco Pohl, Jurgen Widiker</p>
12h30-14h00	Lunch		
14h00-15h30	<p>Panel :” Past & Future of MDD” Moderator: Robert B. France Panelists: Richard M. Soley, Chairman and CEO, Object Management Group, USA Jeff Kramer, Professor of Distributed Computing, Dean of the Faculty of Engineering, Imperial College, UK Bran Selic, Retired IBM Distinguished Engineer, Canada Grady Booch, IBM Fellow and Chief Scientist, IBM Rational, USA Patrick Farail, Airbus, France</p>		
15h30-16h00	<p>Coffee break Departures to the Airbus visit: 15h30 and 16h00</p>		
19h00	Conference Banquet		

Friday, October 3rd

8h30 - 10h00	Session 10 “Constraints” <i>Model Construction with External Constraints: An Interactive Journey from Semantics to Syntax</i> - Mikolas Janota, Victoria Kuzina, Andrzej Wasowski <i>A Benchmark for OCL Engine Accuracy, Determinateness, and Efficiency</i> - Martin Gogolla, Mirco Kuhlmann, Fabian Buttner <i>Contrary-To-Duties Constraints: from UML to Relational Model</i> - Pedro Nogueira Ramos	Session 11 “Model Analysis” <i>A UML/SPT Model Analysis Methodology for Concurrent Systems Based on Genetic Algorithms</i> Marwa Shousha, Lionel Briand, Yvan Labiche <i>Integrating Performance Analysis in the Model Driven Development of Software Product Lines</i> - Rasha Tawhid, Dorina C. Petriu <i>A Model-driven Measurement Approach</i> Martin Monperrus, Jean-Marc Jézéquel, Joel Champeau, Brigitte Hoeltzener	Session 12 “Service-Oriented Architectures” <i>Specifying Service Composition Using UML 2.x and Composition Policies</i> - Judith E Y Rossebø, Ragnhild Kobro Runde <i>A Model-Based Framework for Security Policy Specification, Deployment and Testing</i> - Tejeddine Mouelhi, Franck Fleurey, Benoit Baudry, Yves Le Traon <i>A Pattern Language Verifier for Web-Based Enterprise Applications</i> - Bahman Zamani, Sahar Kayhani, Greg Butler
10h00 – 10h30	Coffee break		
10h30-11h30	Session 13: “Adaptive and Autonomic Systems” <i>Automatically Generating Behavioral Models of Adaptive Systems to Address Uncertainty</i> - Heather Goldsby, Betty H.C. Cheng <i>Autonomic Management Policy Specification: from UML to DSML</i> - Benoit Combemale, Laurent Broto, Xavier Crégut, Michel Daydé, Daniel Hagimont	Session 14: “Empirical Studies” <i>Empirical Analysis of the Relation between Level of Detail in UML Models and Defect Density</i> - Ariadi Nugroho, Bas Flaton, Michel Chaudron <i>An Empirical Investigation on Dynamic Modeling in Requirements Engineering</i> - Giuseppe Scanniello, Carmine Gravino, Genoveffa Tortora	
11h30-12h30	Panel “Addressing the Challenges of Multi-Modeling for Domain-Specific Modeling Languages” Moderator : Doug Schmidt Panelists (to be confirmed): Trip Denton, Lockheed Martin Advanced Technology Labs, USA Edward A. Lee, University of California at Berkeley, USA Jose Meseguer, University of Illinois at Urbana-Champaign, USA Douglas C. Schmidt, Vanderbilt University, USA		
12h30-14h00	Lunch		
14h00-15h30	Session 15:”Evolution and Reverse Engineering” <i>Heterogeneous Coupled Evolution of Software Languages</i> - Sander Vermolen, Eelco Visser <i>Automatability of Coupled Evolution of Metamodels and Models in Practice</i> - Markus Herrmannsdoerfer, Sebastian Benz, Elmar Juergens <i>Enriching Reverse Engineering with Annotations</i> Andrea Bruehlmann, Tudor	Session 16 “Modeling Language Semantics” <i>Towards a Formal Account of a Foundational Subset for Executable UML Models</i> - Michelle L. Crane, Juergen Dingel <i>A Lightweight Approach for Defining the Formal Semantics of a Modeling Language</i> - Pierre Kelsen , Qin Ma <i>Semantically Configurable Code Generation</i> - Adam Prout, Joanne M. Atlee, Nancy A. Day, Pourya Shaker	Session 17 “Dependability Analysis and Testing” <i>Safety Hazard Identification by Misuse Cases: Experimental Comparison of Text and Diagrams</i> - Tor Stalhane, Guttorm Sindre <i>Adding Dependability Analysis Capabilities to the MARTE Profile</i> - Simona Bernardi, José Merseguer, and Dorina, C. Petriu <i>Visual ScatterUnit: A Visual Model-Driven Testing Framework of Wireless Sensor</i>

	Girba, Orla Greevy, Oscar Nierstrasz		<i>Networks Applications</i> - Mohammad Al Saad, Nicolai Kamenzky, and Jochen Schiller
15h30-16h00	Coffee break		
16h00-17h30	<p>Session 18 “Aspect-Oriented Modeling” <i>Aspect-Oriented Model Weaving Beyond Model Composition and Model Transformation</i> - Pablo Sánchez, Lidia Fuentes, Dominik Stein, Stefan Hanenberg, Rainer Unland</p> <p><i>An Aspect-Oriented and Model-Driven Approach for Managing Dynamic Variability</i> - Brice Morin, Franck Fleurey, Nelly Bencomo, Jean-Marc Jézéquel, Arnor Solberg, Vegard Dehlen, Gordon Blair</p> <p><i>Managing Variability Complexity in Aspect-Oriented Modeling</i> - Brice Morin, Philippe Lahire, Gilles Vanwormhoudt, Alban Gaignard, Olivier Barais, Jean-Marc Jézéquel</p>	<p>Session 19: “Structural Modeling” <i>Mapping the UML2 Semantics of Associations to a Java Code Generation Model</i> - Dominik Gessenharter</p> <p><i>Meaningful Composite Structures - On the Semantics of Ports in UML2</i> - Arnaud Cuccuru, Sébastien Gerard, Ansgar Radermacher</p> <p><i>A Systematic Approach to Connectors in a Multi-Level Modeling Environment</i> - Matthias Gutheil, Colin Atkinson, Bastian Kennel</p>	<p>Session 20: “Embedded Systems” <i>Model-based Quality Assurance of Automotive Software</i> - Jan Jurjens, David Trachtenherz, Daniel Reiss</p> <p><i>Ontology Guided Evolution of Complex Embedded Systems Projects in the Direction of MDA</i> - Lars Pareto, Mirosław Staron, Peter Eriksson</p> <p><i>General mode controller for software on artificial satellite with model-based validation tool</i> - Toshihiro Obata</p>