DAY 1

###### DAY 1	ECBS	ICECCS	Workshops
09:00 Welcome			
09:15 Keynote	Kevin L. Moore, Colorado School of Mines		
10:15 Break			
10:30 Session 1	**Software I**	**Real-time systems I**	**6th IEEE International Workshop on UML and AADL**
	"Finding Interaction Faults Adaptively using Distance-Based Strategies" Renee Bryce, Charles Colbourn and D. Richard Kuhn.	"Temporal Abstract Domains" Julien Bertrane	"An Efficient Modeling and Execution Framework for Complex Systems Development" Isabelle Perseil, Laurent Pautet, et al.
	"A Structured Framework for Assessing the "Goodness" of Agile Methods" Shvetha Soundararajan and James Arthur.	"WCET Analysis of Component-Based Systems using Timing Traces" Adam Betts and Amine Marref	"An Implementation of the Behavior Annex in the AADL-toolset Osate2" Gilles Lasnier, Lutz Wrage, Jerome Hugues and Laurent Pautet
	"Analysis of Applicability for Synchronization Complexity Metric" Peter Yastrebenetsky and Mark Trakhtenbrot.	"Memory Positioning of Real-Time Code for Smaller Worst-Case Execution Times" Amine Marref	
12:00 Lunch			
13:00 Session 2	**Embedded Systems**	**Real-time systems II**	**6th IEEE International Workshop on UML and AADL**
	"Hardware/Software Communication Middleware for Data Adaptable Embedded Systems" Sachidanand Mahadevan, Vijay Gopinath, Roman Lysecky, Jonathan Sprinkle, Jerzy Rozenblit and Michael Marcellin.	"Tighter schedulability analysis of synchronization protocols based on overrun without payback for hierarchical scheduling frameworks" Moris Behnam, Thomas Nolte and Reinder Bril	"Modeling and verification of memory architectures with AADL and REAL" Stéphane Rubini, Frank Singhoff and Jérôme Hugues
	"MoPED: A Model-based Provisioning Engine for Dependability in Component-based Distributed Real-time Embedded Systems" Sumant Tambe, Akshay Dabholkar and Aniruddha Gokhale.	"A Model-Driven Framework for the Development of Portable Real-time Embedded Systems" Wassim El Hajj Chehade, Ansgar Radermacher, François Terrier, Bran Selic and Sebastien Gerard	"Two Formal Semantics of a Subset of the AADL" Zhibin Yang, Kai Hu, Jean-Paul Bodeveix, Lei Pi, Dianfu Ma and Jean-Pierre Talpin
	"Hardware Observability Framework for Minimally Intrusive Online Monitoring of Embedded Systems" Jong Chul Lee, Andrew Gardner and Roman Lysecky.	"Timed Circus: Timed CSP with the Miracle" Kun Wei, Jim Woodcock and Alan Burns	"Requirements Exchange: from Specification Documents to Model" Adedjouma Morayo, Dubois Hubert and Terrier François
	"GeTeX: A Tool for Testing Real-Time Embedded Systems Using CAN Applications" Mohammad Aboutrab, Steve Counsell and Robert Hierons.	"Verification of MARTE/CCSL Time Requirements with Promela/SPIN" Yin Ling, Frédéric Mallet and Jing Liu	"ABV – A Verifier for the Architecture Analysis and Description Language (AADL)" Stefan Björnander, Cristina Seceleanu, Kristina Lundqvist and Paul Pettersson
15:00 Break			
15:30 Session 3	**Doctoral Symposium**	**Real-time systems III**	**6th IEEE International Workshop on UML and AADL**
	"A Meta Framework for Design Space Exploration" Tripti Saxena and Gabor Karsai.	"Modeling Variability from Requirements to Runtime" Mathieu Acher, Philippe Collet, Philippe Lahire, Sabine Moisan and Jean-Paul Rigault	"A Tool Set for Integrated Software and Hardware Dependability Analysis Using the Architecture Analysis and Design Language (AADL) and Error Model Annex" Myron Hecht, Alexander Lam and Chris Vogl
	"Queral Networks: Towards an Approach for Engineering Large Artificial Neural Networks" Travis Hoffman, Jerzy Rozenblit, Ali Akoglu and Liana Suantak.	"Formal Model of Interrupt Program from a Probabilistic Perspective" Yongxin Zhao, Yanhong Huang, Jifeng He and Si Liu	"Integrating AADL-based Tool Chain into Existing Industrial Processes" Alexey Khoroshilov, Igor Koverninskiy, Alexander Petrenko and Alexander Ugnenko
	"Towards Change Propagating Test Models in Autonomic and Adaptive Systems" Mohammed Akour, Akanksha Jaidev and Tariq King.	"Model-Based Simulation of SOAP Web Services From Temporal Logic Specifications" Sylvain Hallé	
	"Towards an operational safety standard for software" Alois Mayr, Reinhold Plösch and Matthias Saft.		
17:30			

DAY 2

###### DAY 2	ECBS	ICECCS	EASe
09:00 Welcome			
09:15 Keynote	Oleg Sokolsky, University of Pennsylvania		
10:15 Break			
10:30 Session 4	**Computer-Based Systems: Scale, Transition, and Legacy**	**Dynamic Modeling**	**Distributed & Decentralized Autonomicity**
	"C2EN: Anisotropic Model of Cloud Computing" Zenon Chaczko.	"A Fully Dynamic Approach to the Reverse Engineering of UML Sequence Diagrams" Tewfik Ziadi, Marcos Aurélio Almeida da Silva, Lom Messan Hillah and Mikal Ziane	"Large Scale Monitoring and Online Analysis in a Distributed Virtualized Environment" Rajat Mehrotra, Abhishek Dubeyy, Sherif Abdelwahed
	"Fostering the Universal Virtual Computer as Long-Term Preservation Platform" Nico Krebs, Sebastian Rönnau and Uwe M. Borghoff.	"Using Model Transformation to Generate Graphical Counter-Examples for the Analysis of xUML Models" Osmar Marchi dos Santos, Jim Woodcock and Richard Paige	"Distributed Active Objects–A Systemic Approach to Distributed Mobile Applications" Daniel Graff, Jan Richling, Tammo M. Stupp, Matthias Werner
	"Understanding IT Organizations using Viewpoints" Karin Breitman, Simone Barbosa, Percy E. Rivera Salas, Rita Berardi, Jose Viterbo, Tássia Freitas and Thais Batista.	"Required Behavior of Sequence Diagrams: Semantics and Refinement" Lunjin Lu and Dae-Kyoo Kim	"Decentralized Reconfiguration for Self-organizing Resource-Flow Systems Based on Local Knowledge" Gerrit Anders, Hella Seebach, Florian Nafz, Jan-Philipp Stegh¨ofer, Wolfgang Reif
			"Towards a Self-Healing Approach to Sustain Web Services Reliability" Mohamed-Hedi Karray, Chirine Ghedira, Zakaria Maamar, Brigitte Chebel-Morello
12:00 Lunch			
13:00 Session 5	**Model-Based Design**	**MDE I**	**Modelling and Formal Autonomicity / Case Studies**
	"Measuring and Reducing Modeling Effort in Domain-specific Modeling Languages with Examples" James Hill.	"A Goal-Based Approach to Guide the Design of an Abstract Event-B Specification" Abderrahman Matoussi, Frédéric Gervais and Régine Laleau	"Formal Approaches of Automatic DMARF based on CSP" Jieqi Ding, Huibiao Zhu, Qin Li
	"Automated Adaptor Generation for Services Based on Pushdown Model Checking" Hsin-Hung Lin, Toshiaki Aoki and Takuya Katayama.	"Modelling and Analysing Standard Use within System of Systems" Russell Lock	"Model Checking of Adaptive Programs with Mode-extended Linear Temporal Logic" Yongwang Zhao, Jing Li, Dou Sun, Dianfu Ma
	"Model Composition in Rosetta" Nicolas Frisby, Megan Peck, Mark Snyder and Perry Alexander.	"Towards a MDE Transformation Workflow for Dependability Analysis" Leonardo Montecchi, Paolo Lollini and Andrea Bondavalli	"Formal Aspects of Specification and Validation of Dynamic Adaptive System by Analyzing Execution Traces" Arun Mishra, Arun K. Misra
	"UML/OCL and refinement" Mohamed Tahar Bhiri, Mourad Kmimech, Mohamed Graiet and Phillipe Aniorté.	"Customizing Process Synthesis According to Domain Profiles" Stefan Naujokat, Anna-Lena Lamprecht and Bernhard Steffen	"A Comparative Case Study on the Engineering of Self-Testable Autonomic Software" Tariq M. King, Andrew A. Allen, Yali Wu and Peter J. Clarke, Alain E. Ramirez
			"Applying Adaptive Role-based Model to Self-Adaptive System Constructing Problems: A Case Study" Supasit Monpratarnchai, Tamai Tetsuo
			"An Empirical Study on the Impacts of Autonomy of Components on Qualities of Software Systems" Tingxun Shi, Jianzhu Ma, Wenpin Jiao, Fanjing Meng
15:00 Break			
15:30 Session 6	**Component-Based Systems**	**MDE II**	**Bioinspired & Emergence**
	"On the Mitigation of MultiCore-Induced Behavioral Deviations of an Autonomous Ground Vehicle" Jonathan Sprinkle and Brandon Eames.	"A Component-oriented Metamodel for the Modernization of Software Applications" Luciano Baresi and Matteo Miraz	"Description and Composition of Bio-Inspired Design Patterns: the Gossip Case" Jose Luis Fernandez-Marquez, Josep Lluis Arcos, Giovanna Di Marzo Serugendo, Matteo Casadei
	"A Computer-Aided Approach to Hazard Analysis for Automotive Embedded Systems" Roland Mader, Eric Armengaud, Andrea Leitner, Christian Kreiner, Quentin Bourrouilh, Gerhard Grießnig, Christian Steger and Reinhold Weiß.	"A Formal Approach to Model Composition Applied to VUML Language" Taoufiq Dkaki, Adil Anwar, Sophie Ebersold, Bernard Coulette and Mahmoud Nassar	"Pro-active Advice to Improve the Efficiency of Self-Organizing Emergent Systems" Torsten Steiner, J¨org Denzinger, Holger Kasinger and Bernhard Bauer
	"Identifying Potential Core Assets in Service-based Systems to Support the Transition to Service-oriented Product Lines" Matthias Galster and Armin Eberlein.	"Leveraging Service-Orientation for Combining Code Generation Frameworks" Sven Jörges and Bernhard Steffen	"Apoptotic Robots" Roy Sterritt
	"Pattern-driven Support for Designing Component-based Architectural Models" Jagadish Suryadevara, Cristina Seceleanu and Paul Pettersson.		
17:30			

DAY 3

###### DAY 3	ECBS	ICECCS	Workshops
09:00 Welcome			
09:15 Keynote	Robert France, Colorado State University		
10:15 Break			
10:30 Session 7	**Distributed and Networked Systems**	**Intelligent Systems**	**8th IEEE Workshop on Model-Based Development for Computer-Based Systems**
	"Reachability Analysis in Dynamically Routed Networks" Miroslav Sveda, Ondrej Rysavy, Gayan de Silva, Petr Matousek and Jaroslav Rab.	"A Software Requirements Specification Framework for Objective Pattern Recognition: A Set-Theoretic Classification Approach" Arbi Ghazarian, Mehdi Sagheb Tehrani and Arin Ghazarian	Agenda TBD
	"Socionomic Modelling in Wireless Sensor Networks" Souren Sinha and Zenon Chaczko.	"A Novel Approach Based on Gestalt Psychology for Abstracting the Content of Large Execution Traces for Program Comprehension" Heidar Pirzadeh and Abdelwahab Hamou-Lhadj	
	"Formal Verification of Distributed Transaction Management in a SOA Based Control System" Ivana Popovic, Vladislav Vrtunski and Miroslav Popovic.	"Towards Succinctness in Mining Scenario-Based Specifications" David Lo and Shahar Maoz	
12:00 Lunch			
13:00 Session 8	**Software II**	**Communication systems**	
	"Scenario-Based Architectural Design Decisions Documentation and Evolution" Meiru Che and Dewayne E. Perry.	"Modeling and Coordinating Social Interactions in Pervasive Environments" Ashad Kabir, Jun Han and Alan Colman	
	"A Comparative Case Study of Architecting Practices in the Embedded Software Industry" Håkan Gustavsson and Jakob Axelsson.	"Group Selection by Nodes in Wireless Sensor Networks Using Coalitional Game Theory" Fatemeh kazemeyni, Einar Broch Johnsen, Olaf Owe and Ilangko Balasingham	
	"Facilitate Software Architecting by Ranking Requirements based on their Impact on the Architecture Process" Matthias Galster and Armin Eberlein.	"LIPS: A Protocol Suite For Homeostatic Sensornet Management" Jonathan Tate and Iain Bate	
		"Computational Social Network Management in Crowdsourcing Environments" Florian Skopik, Daniel Schall and Schahram Dustdar	
15:00 Break			
15:30 Session 9		**Parallelism-Intensive and Evolving Software Systems**	
		"Parallelism Viewpoint: A Viewpoint to Model Parallelism in Parallelism-Intensive Software Systems" Naeem Muhammad, Nelis Boucke and Yolande Berbers	
		"Analyzing and Forecasting Near-miss Clones in Evolving Software: An Empirical Study" Minhaz Zibran, Ripon Saha, Muhammad Asaduzzaman and Chanchal K. Roy	
		"On the Impact of Kanban on Software Project Work: An Empirical Case Study Investigation" Marko Ikonen, Elena Pirinen, Fabian Fagerholm, Petri Kettunen and Pekka Abrahamsson	