<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>09:40 UML&amp;AADL Welcome</td>
<td>09:00-09:15 Organiser announcements</td>
<td>09:00–11:00 ICECCS Session 4</td>
<td>09:00–11:00 ICECCS Session 4</td>
</tr>
<tr>
<td>09:45-11:00 UML&amp;AADL Session 1</td>
<td>09:15-10:15 Keynote – Prof Carlo Ghezzi, Politecnico di Milano</td>
<td>09:00–11:00 ICECCS Session 4</td>
<td>09:00–11:00 ICECCS Session 4</td>
</tr>
<tr>
<td>11:00-11:30 UML&amp;AADL Coffee break</td>
<td>10:15–10:45 Coffee break</td>
<td>10:00-11:00 ICECCS Session 5</td>
<td>10:00-11:00 ICECCS Session 5</td>
</tr>
<tr>
<td>11:30-12:45 UML&amp;AADL Session 2</td>
<td>10:45-12:45 ICECCS Session 2</td>
<td>11:00-11:15 Coffee break</td>
<td>11:00-11:15 Coffee break</td>
</tr>
<tr>
<td>12:15-13:15 ICECCS Session 6</td>
<td>12:45-14:00 UML&amp;AADL and ECBS Lunch</td>
<td>12:45-14:00 Lunch</td>
<td>13:15-14:15 Lunch</td>
</tr>
<tr>
<td>12:45-14:00 UML&amp;AADL and ECBS Lunch</td>
<td>12:45-14:00 Lunch</td>
<td>12:45-14:00 Lunch</td>
<td>12:45-14:00 Lunch</td>
</tr>
<tr>
<td>14:00-14:15 ICECCS Opening Note and Welcome</td>
<td>14:00-15:00 CoSMoS Keynote – Dr Tim Kelly, University of York</td>
<td>14:15-15:15 ICECCS Session 7</td>
<td>14:15-15:15 ICECCS Session 7</td>
</tr>
<tr>
<td>Prof Bill Roscoe, University of Oxford</td>
<td>Prof Bill Roscoe, University of Oxford</td>
<td>Prof Bill Roscoe, University of Oxford</td>
<td>Prof Bill Roscoe, University of Oxford</td>
</tr>
<tr>
<td>15:15-15:30 Coffee break</td>
<td>15:00-16:30 ICECCS Session 3</td>
<td>15:00-16:30 ICECCS Session 3</td>
<td>15:00-16:30 CoSMoS Session 2</td>
</tr>
<tr>
<td>15:15-15:30 Coffee break</td>
<td>15:00-16:30 ICECCS Session 3</td>
<td>15:00-16:30 ICECCS Session 3</td>
<td>15:00-16:30 CoSMoS Session 2</td>
</tr>
<tr>
<td>15:30-17:30 ICECCS Session 1</td>
<td>16:45-18:15 Poster Session 1</td>
<td>16:30-18:15 Poster Session 2</td>
<td>16:30-18:15 Poster Session 2</td>
</tr>
<tr>
<td>15:30-16:15 UML&amp;AADL Session 3</td>
<td>16:45-18:15 Poster Session 1</td>
<td>16:30-18:15 Poster Session 2</td>
<td>16:30-18:15 Poster Session 2</td>
</tr>
<tr>
<td>16:15-17:30 UML&amp;AADL Session 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17:30-18:30 AADL Panel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>From 19:30 Joint ICECCS, ECBS, EASe, UML&amp;AADL and CoSMoS Conference Banquet</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Wednesday, 24 March 2010**

**ICECCS Session 1: Adaptation and Autonomic Systems**

Jorge Fox and Siobhán Clarke. *An Analysis of Formal Languages for Dynamic Adaptation*

Ewoud Werkman, Marc de Jonge, Bas van Schoonhoven and Edwin Matthijssen. *Development of Autonomic Management Solutions for the Military Application Domain*


Florian Skopik, Daniel Schall and Schahram Dustdar. *Trust-based Adaptation in Complex Service-oriented Systems*

**UML & AADL Session 1**

Julien Delange, Laurent Pautet

"Testing Safety Critical Systems with SysML/UML"
Matthew Hause, Dave Richards, Andrew Stuart

"Supporting the Design of Safety Critical Systems Using AADL"

**UML & AADL Session 2**

"Expressing and enforcing user-defined constraints of AADL models"
Olivier Gilles, Jérôme Hugues

"Formal Modeling for UML/MARTE Concurrency Resources"
Pablo Penil, Hector Posadas, Eugenio Villar

"QVT Based Model Transformation from Sequence Diagram to CSP"
Li Dan and Li Danning
UML & AADL Session 3

"Knowledge models to reduce the gap between heterogeneous models"
David Simon Zayas, Anne Monceaux, Yamine Ait-Ameur

"From MARTE to AADL with a Seamless Process"
Isabelle Perseil, Laurent Pautet

UML & AADL Session 4

"Comparison of six ways to extend the scope of Cheddar to AADL v2 with Osate"
Michael Kerboeuf, Alain Plantec, Frank Singhoff, Arnaud Schach, Pierre Dissaux

"OMEGA2: A new version of the profile and the tools"
Iulian Ober and Iulia Dragomir

"AADS+: AADL Simulation including the Behavioral Annex"
Roberto Varona-Gomez, Eugenio Villar
Thursday, 25 March 2010

**ICECCS Session 2: Distributed and Service-Based Applications**
Luca Cavallaro, Elisabetta Di Nitto, Carlo Alberto Furia and Matteo Pradella. *A Tile-based Approach for Self-assembling Service Compositions*
Minh Tran, Jun Han and Alan Colman. *Service-based Development of Context-aware Automotive Telematics*
Kristian Ellebaek Kjaer and Klaus Marius Hansen. *Modeling and Implementing Ontology-Based Publish/Subscribe using Semantic Web Technologies*
Ilango Leonardo Sriram and Dave Cliff. *Component Placement Effects on Data Centre Performance Scaling*

**ICECCS Session 3: Formal Methods I**
Silvia Bindelli, Elisabetta Di Nitto, Carlo Alberto Furia and Matteo Rossi. *Using Compositionality to Formally Model and Analyze Systems Built of a High Number of Components*
Shinji Kikuchi and Satoshi Tsuchiya. *Configuration Procedure Synthesis for Complex Systems using Model Finder*
Jeremy Bryans, John Fitzgerald, Alexander Romanovsky and Andreas Roth. *Patterns for Modelling Time and Consistency in Business Information Systems*

**Special Session on Complex System Modelling and Simulation 1 & 2**
Thomas Stibor and Anastasio Salazar. On Immunological Memory as a Function of a Recursive Proliferation Process
Fiona A. C. Polack, Paul Andrews, Teodor Ghetiu, Mark Read, Susan Stepney, Jon Timmis and Adam Sampson. Reflections on the Simulation of Complex Systems for Science
Tim Hoverd and Adam Sampson. A Transactional Architecture for Simulation
Thomas Anderson and Michael Follows. Representing Plankton Functional Types in Ocean General Circulation Models: Competition, Tradeoffs and Self-Organizing Architecture
Kuiying Deng, Zhuozheng Li and Tianguang Chu. Severe Punishment for Those Who Were Caught
Enrique Kremers, Pablo Viejo, Oscar Barambones and Jose Maria Gonzalez de Durana. A Complex Systems Modelling Approach for Decentralized Simulation of Electrical Microgrids
**Poster Session 1**

Klaus Lochmann. *Engineering Quality Requirements using Quality Models*

Thomas Goldschmidt, Steffen Becker and Axel Uhl. *Incremental Updates for Textual Modeling of Large Scale Models*

Michael Thonhauser, Christian Kreiner and Andreas Leitner. *A Model-Based Architecture Supporting Virtual Organizations in Pervasive Systems*


Lu Yang, Liqian Yu, Jianwen Tang, Linzhang Wang, Jianhua Zhao and Xuandong Li. *McC++/Java: Enabling Multi-core Based Monitoring and Fault Tolerance in C++/Java*

Yi Murphey. *A Multi-Agent System for Complex Vehicle Fault Diagnostics and Health Monitoring*

**Poster Session 2**

Christopher Power and Helen Petrie. *A Case Study in Requirements Elicitation for Accessible E-Learning Systems*

Rabeb Mizouni, Daniel Sinnig and Ferhat Khendek. *Refining Use Cases with Task Models*

Manuel Oriol and Sotirios Tassis. *Testing .NET Code with YETI*

Teodor Ghetiu, Fiona Polack and James Bown. Validating a complex system simulation (CoSMoS poster)

Amelia Ritahani Ismail and Jon Timmis. Modelling the Development of Granuloma Formation for Engineering Complex Swarm Robotic Systems (CoSMoS poster)

Nurulhuda Firdaus Mohd Azmi, Jon Timmis and Fiona Polack. Towards a Principled Design of Bio-inspired Solutions to Complex Problems (CoSMoS poster)
Friday, 26 March 2010

ICECCS Session 4: Formal Methods II
Woongki Baek, Nathan Bronson, Christos Kozyrakis and Kunle Olukotun. Implementing and Evaluating a Model Checker for Transactional Memory Systems
Xin An and Jun Pang. Model Checking Round-Based Distributed Algorithms
Shinya Umeno and Nancy Lynch. Automated Formal Verification of the DHCP Failover Protocol Using Timeout Order Abstraction
Vittorio Cortellessa, Antinisca Di Marco and Catia Trubiani. Performance Antipatterns as Logical Predicates

ICECCS Session 5: Real-Time Systems
Jonathan Tate and Iain Bate. Maintaining Stable Node Populations In Long-Lifetime Sensornets
Yue Lu, Thomas Nolte and Christer Norström. Statistical-based Response-Time Analysis of Systems with Execution Dependencies between Tasks

ICECCS Session 6: Model-Driven Engineering
Hannes Schwarz, Jürgen Ebert, Jens Lemcke, Tirdad Rahmani and Srdjan Zivkovic. Using Expressive Traceability Relationships for Ensuring Consistent Process Model Refinement
Vidhi Thapa and Eunjee Song. An Approach to Validating Security Properties in a Real-time System Design

ICECCS Session 7: Requirements
Shelly Park and Frank Maurer. A Network Analysis of Stakeholders in Tool Visioning Process for Story Test Driven Development
Ivonne Erfurth and Kathrin Kirchner. Requirements Elicitation with Adapted CUTA Cards: First Experiences with Business Process Analysis
Russell Lock and Ian Sommerville. Modelling and Analysis of Socio-Technical System of Systems
Hubert Dubois, Marie-Agnès Peraldi-Frati and Fadoi Lakhal. A Model for Requirements Traceability in a Heterogeneous Model-Based Design Process: Application to Automotive Embedded Systems.