

SEAMS 2007 Final Program Sat, May 26, 2007

09:00	<p>Session 1: Session Chair: <i>H.A. Müller, University of Victoria, Canada</i></p> <hr/> <p><i>Keynote: Addressing Assurance for Dynamically Adaptive Systems</i> <i>Betty H.C. Cheng, Michigan State University</i></p>
10:00	Nutrition Break
10:30	<p>Session 2: Paper Session on Architecture-based Techniques for Adaptive Systems Session Chair and Discussion Leader: <i>D. Garlan, Carnegie Mellon University, USA</i></p> <div style="border: 1px solid black; padding: 5px;"> <p align="center">An Architectural Style for Solving Computationally Intensive Problems on Large Networks <i>Y. Brun and N. Medvidovic, University of Southern California, USA</i></p> </div> <p>Architectural Strategy for Self-Adapting Systems; <i>D. Weyns & T. Holvoet, Katholieke U. Leuven, Belgium</i></p> <p>Towards an Autonomic Element Architecture for ASSL; <i>E. Vassev & J. Paquet, Concordia Uni., Canada</i></p> <p>Representing Hierarchical Mobility in Software Architectures; <i>F.J. Barros, Univ. de Coimbra, Portugal</i></p> <p align="center">30 mins Discussion</p>
12:30	Working Lunch Session to Identify Open Problems and Challenges
13:30	<p>Session 3: Breakout Session Reports Session Chair: <i>B.H.C. Cheng, Michigan State University, USA</i></p>
14:00	<p>Session 4: Paper Session on Analyzing Quality Attributes of Adaptive and Self-Managing Systems Session Chair and Discussion Leader: <i>J. Magee, Imperial College, UK</i></p> <div style="border: 1px solid black; padding: 5px;"> <p align="center">Quality Criteria and an Analysis Framework for Self-Healing Systems; <i>S. Neti and H.A. Müller, UVic</i></p> </div> <p>Model-Based Software Design and Adaptation; <i>H. Gomaa, George Mason University, USA</i></p> <p>Extensible Contract Broker for QoS and Self-Properties; <i>P. Furtado, Universidade de Coimbra, Portugal</i></p> <p align="center">30 mins Discussion</p>
15:30	Nutrition Break
16:00	<p>Session 5: Paper Session on Architectural Patterns for Autonomic Computing Session Chair and Discussion Leader: <i>M. Litoiu, IBM Canada Ltd., Canada</i></p> <div style="border: 1px solid black; padding: 5px;"> <p align="center">The WSDM of Autonomic Computing: Experiences in Implementing Autonomic Web Services; <i>P. Martin, W. Powley, Queen's; K. Wilson, CA Inc., USA; W. Tian, T. Xu, and J. Zebedee, Queen's Univ., Canada</i></p> </div> <p>A Real-Time Pattern Based Approach to Autonomic Computing; <i>B. Solomon and D. Ionescu, University of Ottawa, Canada; M. Litoiu and M. Mihaiescu, IBM Canada Ltd., Canada</i></p> <p>A Proposal for an Autonomic Grid Management System, <i>R. Desmarais and H.A. Müller, UVic, Canada</i></p> <p>Implementing Adaptive Performance Management in Server Applications; <i>Y. Liu, National ICT Australia, Australia and I. Gorton, Pacific Northwest National Laboratory, USA</i></p> <p align="center">30 mins Discussion</p>
18:30	SEAMS 2007 Reception at Restaurant Vincent, 1100 Nicollet Ave, Minneapolis; One city block from Hilton Hotel

SEAMS 2007 Final Program Sun, May 27, 2007

09:00	<p>Session 6: Session Chair: <i>J. Magee, Imperial College, UK</i></p> <hr/> <p><i>Keynote: Meeting the Challenges of Ultra-Large-Scale Distributed Real-time and Embedded Systems</i> <i>Douglas C. Schmidt, Vanderbilt University</i></p>
10:00	Nutrition Break
10:30	<p>Session 7: Paper Session Analyzing Quality Attributes of Adaptive and Self-Managing Systems Session Chair and Discussion Leader: <i>R. de Lemos, University of Kent, UK</i></p> <div style="border: 1px solid black; padding: 5px;"> <p>Digitally Evolving Models for Dynamically Adaptive Systems; <i>H.J. Goldsby, D.B. Knoester, B.H.C. Cheng, P.K. McKinley and C.A. Ofria, Michigan State University, USA</i></p> <p>Mixed-Mode Adaptation in Distributed Systems: A Case Study; <i>K.N. Biyani and S.S. Kulkarni, Michigan State University, USA</i></p> <p>Designing Run-Time Fault-Tolerance Using Dynamic Updates; <i>A. Ebnenasir, Michigan Technological University, USA</i></p> </div> <p>30 mins Discussion</p>
12:00	Working Lunch to Discuss the Future of SEAMS
13:00	<p>Session 8: Breakout Session Reports Session Chair: <i>R. de Lemos, University of Kent, UK</i></p>
13:30	<p>Session 9: Paper Session Modeling the Design and Evolution of Adaptive, Self-Managing and Ubiquitous Systems Session Chair and Discussion Leader: <i>S. Fickas, University of Oregon, USA</i></p> <div style="border: 1px solid black; padding: 5px;"> <p>A Survey of Approaches to Adaptive Application Security; <i>A. Elkhodary and J. Whittle, GMU, USA</i></p> <p>Goal-Directed Context Validation for Adaptive Ubiquitous Systems; <i>C. Xu and S.C. Cheung, Hong Kong University of Science and Technology, Chin; W.K. Chan, City University of Hong Kong, China</i></p> <p>Research Issues in Multiple Policy Optimisation Using Collaborative Reinforcement Learning; <i>I. Dusparic and V. Cahill, Trinity College Dublin, Ireland</i></p> <p>Process Evolution with Atomicity Consistency; <i>C. Ye and S.C. Cheung, Hong Kong University of Science and Technology, China; W.K. Chan, City University of Hong Kong, China</i></p> </div> <p>30 mins Discussion</p>
15:30	Nutrition Break
16:00	<p>Session 10: Final Session Discussion, Outlook, and Closing Remarks Session Chair: <i>H.A. Müller, University of Victoria, Canada</i></p>
17:00	Have a Wonderful Summer!