

Conference Program

Monday, May 21, 2007

0800-0845 Registration – Foyer, Holloway Commons

0845-0900 Opening Session – Swampscott Room, Holloway Commons

0900-1000 Keynote 1 – Swampscott Room, Holloway Commons
Session Chair: Miroslaw Malek, Humboldt University, Germany

Performance and Reliability Challenges in Content Delivery
Tom Leighton, Akamai, USA

1000-1030 Morning Refreshments – Cocheco Room, Holloway Commons

1030-1200 Session 1: Middleware – Swampscott Room, Holloway Commons
Session Chair: Antoni Wolski, Solid Information Technology, Finland

A Message Oriented Middleware Solution Enabling Non-Repudiation Evidence Generation for Reliable Web Services
Simon Parkin, David Ingham and Graham Morgan, Newcastle University and Arjuna Techn., UK

Comparing Robustness of AIS-Based Middleware Implementations
Zoltán Micskei, István Majzik and Francis Tam, Budapest University, Hungary and Nokia, Finland

Service-oriented Operating System: a Key to Service Availability
Nikola Milanovic and Miroslaw Malek, Humboldt University, Berlin, Germany

1200-1330 Lunch – Oak Room, Huddleston Hall

1330-1500 Session 2: Software Systems – Swampscott Room, Holloway Commons
Session Chair: Aniruddha Gokhale, Vanderbilt University, USA

Implementation of Highly Available Memory Database as SAF Component
Tadashiro Yoshida, Masaki Hisada, and Seiji Tomita, NTT, Japan

Fault Tolerant Schemes for Hot-Swappable and Non Hot-Swappable Mezzanine Cards
Mark Lanus, Motorola, USA

Experience in Developing a High Availability and Continuous TCP Using OpenAIS and TCPCP
Ying-Yu Chen, Chien Chen and Chia-Yuan Huang, ITRI and National Chiao Tung University, Taiwan

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Monday, May 21, 2007 (Continued)

1500-1530 Afternoon Refreshments – Cocheco Room, Holloway Commons

1530-1630 Panel – Swampscott Room, Holloway Commons

Services in Specific Industries: How Advanced and Good are They?

Organizer: Miroslaw Malek, Humboldt University, Berlin, Germany

Panelists: Robert E. Bernstein, Lockheed Martin, USA
Dieter Carl, Siemens, Germany
John Fryer, Motorola, USA

1700-1800 Session 3: Modeling and Analysis – Swampscott Room, Holloway Commons
Session Chair: Helena Szczerbicka, University of Hannover, Germany

Client-centric Performance Analysis of HA Cluster

Jesper Grønbaek, Hans-Peter Frejek, Thibault Renier, Hans-Peter Schwefel Aalborg, University of Denmark and Fujitsu Siemens, Munich, Germany

A Faster Estimation Algorithm for Periodic Preventive Rejuvenation Schedule Maximizing System Availability

Koichiro Rinsaka and Tadashi Dohi, Hiroshima University, Japan

Evening Event: Dinner and Tour of Redhook Brewery, Portsmouth, NH

1820-1830 Transportation Coach Arrives at Holloway Commons for Departure

1900-1945 Buffet Dinner at Redhook Brewery in the Brewhouse Foyer

1945-2100 Brewery Tour and Sampling

2120-2130 Transportation Coach Returns to Holloway Commons

Conference Program

Tuesday, May 22, 2007

0900-1000 Keynote 2 – Swampscott Room, Holloway Commons
Session Chair: Manfred Reitenspiess, Fujitsu-Siemens, Germany

Autonomous Decentralized System for Service Assurance and its Application

Prof. Kurji Mori, Tokyo Institute of Technology, Tokyo, Japan

1000-1030 Morning Refreshments – Cocheco Room, Holloway Commons

1030-1200 Session 4: Model-Driven Development and Human Engineering – Swampscott Room, Holloway Commons

Session Chair: Tadashi Dohi, Hiroshima University, Japan

An Eclipse-based Framework for the Model Driven Development and Deployment of AIS Service Configurations

András Kövi, Daniel Varro, Budapest University, Hungary

MDDPro: Model-Driven Dependability Provisioning in Enterprise Distributed Real-time and Embedded Systems

Sumant Tambe, Jaiganesh Balasubramanian, Aniruddha Gokhale and Thomas Damiano, Vanderbilt University and Mitre Corp., USA

Applying US DoD Human Engineering Methods to Reduce Network Procedural Error Induced Down Time

Pat O'Brien, Motorola, USA

1200-1230 Closing Session – Swampscott Room, Holloway Commons

1230-1330 Lunch – Oak Room, Huddleston Hall

1500-1530 Afternoon Refreshments – Cocheco Room, Holloway Commons

1530-1700 Tutorial – Swampscott Room, Holloway Commons

Principles of HA Design for Planners

András Kövi, Budapest University of Technology and Economics, Hungary