



EASe 2009 Programme

Thursday April 16 2009 • San Francisco, CA USA

8.30-9.30: CPS Week Plenary Session

9.30-10.00: Break

10.00-12.00: Morning Session (Chair Mike Hinchey)

The Design of a Novel Autonomic Management Methodology and Architecture for Next Generation and Future Internet Systems

Sven van der Meer, John Strassner, Patrick Phelan

Model-driven Self-reconfiguration for Highly Available SOAs

Markus Bajohr, Tiziana Margaria

Self-TUNE-ing of a J2EE clustered application

O. Chebaro, L. Broto, J.-P. Bahsoun, D. Hagimont

Change Support in Adaptive Software: A Case Study for Fine-Grained Adaptation

Mazeiar Salehie, Sen Li, Reza Asadollahi, Ladan Tahvildari

Design Pattern for Self-Organizing Emergent Systems Based on Digital Infochemicals

Holger Kasinger, Bernhard Bauer, Jörg Denzinger

Monitoring Autonomic Networks through Signatures of Emergence

David Lamb Martin Randles, A Taleb-Bendiab

12.00-13.00: Break

13.00-14.00: Afternoon Session (Chair Ted Bapty)

An Autonomic System for Close Air Support

Bob Simpson, Christopher Rouff, Joe Roberts, and Gary Edwards

ASSL Specification and Code Generation of Self-Healing Behavior for NASA Swarm-Based Systems

Emil Vassev, Mike Hinchey

Using Runtime Verification to Design a Reliable Execution Framework for Scientific Workflows

*Abhishek Dubey, Luciano Piccoliyz, James B. Kowalkowski,
James N. Simoney, Xian-He Sun, Gabor Karsai, Sandeep Neema*

14.00-14.30: Break

14:30-15:30 ACF Workshop (Chair Dave Lewis)

Architectural Artefacts for Autonomic Distributed Systems - Contract Language

Sven van der Meer

Developing Autonomic Management Systems in Federated Environments

David Lewis, Kevin Feeney, Jose A Lozano

From physical models to well-founded control

Simon Dobson, Lorcan Coyle, G.M.P. O'Hare, Mike Hinchey