

Welcome!

International Workshop **IWSOS**
on Self-Organizing Systems 2006

SHORT PAPER SESSION

- Ubiquitous Zone Networking Technologies
for Multi-hop based Wireless Communications

Namhi Kang,
Ilkyun Park,
Younghan Kim

(Soongsil University, South Korea)



SHORT PAPER SESSION

- Proposal for Self-Organizing Information Distribution in Peer-to-Peer Networks

Arne Handt

(Free University of Berlin, Germany)



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SHORT PAPER SESSION

- **Autonomic Security for Home Networks**

Mohamad Aljnidi,
Jean Leneutre

(CNRS, ENST, Paris, France)



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SHORT PAPER SESSION

■ Hovering Data Clouds: A Decentralized and Self-Organizing Information System

Axel Wegener

(University of Lübeck, Germany)

Elad M. Schiller

(Technical University of Braunschweig, Germany)

Horst Hellbrück

(University of Lübeck, Germany)

Sándor P. Fekete

(Technical University of Braunschweig, Germany)

Stefan Fischer

(University of Lübeck, Germany)

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SHORT PAPER SESSION

- **Defending Grids Against Intrusions**

Alexandre Schulter,

Kleber Vieira,

Carlos Becker Westphall,

Carla Westphall

(Federal University of Santa Catarina, Brazil)



SHORT PAPER SESSION

■ ORCA – Towards an Organic Robotic Control Architecture

Florian Mösch, Marek Litza, Adam El Sayed Auf,

Erik Maehle

(University of Lübeck, Germany),

Karl E. Großpietsch

(Fraunhofer Institute of Autonomous
Intelligent Systems, St. Augustin, Germany),

Werner Brockmann

(University of Osnabrück, Germany)



11:00-13:00 Session 2: "Self-Organization in Peer-to-Peer Networks"

- **Modelling the Population Dynamics and the File Availability in a BitTorrent-like P2P System with Decreasing Peer Arrival Rate**
Riikka Susitaival, Samuli Aalto (Helsinki University of Technology, Finland)
- **Combining Virtual and Physical Structures for Self-Organized Routing**
Thomas Fuhrmann (University of Karlsruhe, Germany)
- **Optimizing Locality for Self-Organizing Context-based Systems**
Mirko Knoll, Torben Weis (University of Stuttgart, Germany)

13:00-14:00 Lunch

17:50 Small Guided Tour
to St. Stephan's Cathedral

Meeting point: Conference Desk

During the tour you will find out many interesting things about the St. Stephan's Cathedral. With 17974 organ pipes the organ in the cathedral is the world's largest cathedral organ.

18:20 Organ Concert

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SESSION 2

Self-Organization in Peer-to-Peer Networks

- Modelling the Population Dynamics and the File Availability in a BitTorrent-like P2P System with Decreasing Peer Arrival Rate 

Riikka Susitaival,

Samuli Aalto

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SESSION 2

Self-Organization in Peer-to-Peer Networks




- Combining Virtual and Physical Structures for Self-Organized Routing

Thomas Fuhrmann (University of Karlsruhe, Germany)



SESSION 2

Self-Organization in Peer-to-Peer Networks

- Optimizing Locality   
for Self-Organizing Context-based Systems

Mirko Knoll,

Torben Weis

(University of Stuttgart, Germany)

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LUNCH

- Lunch @ Mensa



SESSION 3

Self-Organization in Wireless Environments

- Randomized Self-Stabilizing Algorithms
for Wireless Sensor Networks



Volker Turau,

Christoph Weyer

(Hamburg University of Technology, Germany)

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SESSION 3

Self-Organization in Wireless Environments

- The Case for
Virtualized Wireless Access Networks

Frank A. Zdarsky,
Ivan Martinovic,
Jens B. Schmitt

(University of Kaiserslautern, Germany)



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15:20-15:50 Coffee break
(with poster presentation)

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SESSION 4

Self-Organization in Distributed & GRID Computing

- Job Scheduling for Maximal Throughput in Autonomic Computing Systems

Kevin Ross

(UC Santa Cruz, USA)

Nicholas Bambos

(Stanford University, USA)



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SESSION 4



Self-Organization in Distributed & GRID Computing

- Investigating Global Behavior in Computing Grids

Kevin L. Mills,
Christopher Dabrowski

(National Institute of Standards and Technology, USA)



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Self-Organization in Distributed & GRID Computing

- Using Decentralized Clustering for Task Allocation in Networks with Reconfigurable Helper Units

Daniel Merkle,
Martin Middendorf,
Alexander Scheidler (University of Leipzig, Germany)

