## Call for Contributions

### GI/ITG/MMB/KuVS Technical Discussion (Fachgespräch) on
# Performance Modeling of Self-Organizing Systems
September 21, 2006, University of Passau, Germany
http://www.iwsos.net.fmi.uni-passau.de/pmsos.html

**co-located with:**

### EuroNGI IA.8.2 – New Trends in Network Architectures and Services:
### Intern. Workshop on Self-Organizing Systems (IWSOS 2006)
September 18 - 20, 2006, University of Passau, Germany
http://www.fmi.uni-passau.de/iwsos

## Overview

Self-organization plays a key architectural role for the future Internet as well as for large-scale pervasive computing systems such as wireless sensor networks. Self-organization will enhance flexibility and evolvability of organically growing, large-scale distributed systems. Driven by randomness and feedback, the relation between cause and effect of these systems may appear chaotic: minor causes may have severe impact, whereas seemingly major causes may only have a small effect. Traditional mathematical models tend to be linear and, thus, are not suitable to model such chaotic systems. Models to be developed should be simple to remain scalable to the huge number of entities in the systems under investigation and to be generally applicable.

We aim to investigate the methodology for modeling and evaluating the performance and reliability of complex self-organizing systems at the edge of chaos. To this end, this meeting brings together leading national and international experts and creates a forum for knowledge exchange.

## Important Dates:

- Ext. abstracts / short paper submission deadline: **July 15th 2006, 11:59pm CET**
- Notification of acceptance: **August 1st 2006**
- Hotel reservation cut-off date: **August 15th 2006**
- Meeting date: **September 21st 2006**

## Paper Submission & Publication

The submitted extended abstracts and short papers will be reviewed and published in form of a Technical Report. The publication of full papers within a Special Issue will depend on the success of the meeting. We solicit submission of selected full papers after the meeting.

## Technical Program Co-Chairs

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