

Self-Organizing Systems

First International Workshop, IWSOS 2006 and Third International Workshop on New Trends in Network Architectures and Services, EuroNGI 2006, Passau, Germany, September 18-20, 2006, Proceedings

This book constitutes the refereed proceedings of the First International Workshop on Self-Organizing Systems, IWSOS 2006. The book offers 16 revised full papers and 6 revised short papers together with 2 invited talks and 3 poster papers. The papers are organized in topical sections on dynamics of structured and unstructured overlays, self-organization in peer-to-peer networks, self-organization in wireless environments, self-organization in distributed and grid computing, self-managing and autonomic computing, and more.

Invited Program.- Making Self-organizing Systems Secure.- Self-organising Networks: Panacea or Pandora's Box?.- Full Papers.- The Challenges of Merging Two Similar Structured Overlays: A Tale of Two Networks.- Self-protection in P2P Networks: Choosing the Right Neighbourhood.- Modelling the Population Dynamics and the File Availability in a BitTorrent-Like P2P System with Decreasing Peer Arrival Rate.- Combining Virtual and Physical Structures for Self-organized Routing.- Optimizing Locality for Self-organizing Context-Based Systems.- Randomized Self-stabilizing Algorithms for Wireless Sensor Networks.- The Case for Virtualized Wireless Access Networks.- Job Scheduling for Maximal Throughput in Autonomic Computing Systems.- Investigating Global Behavior in Computing Grids.- Using Decentralized Clustering for Task Allocation in Networks with Reconfigurable Helper Units.- Self-tuned Refresh Rate in a Swarm Intelligence Path Management System.- Cross-Layer Approach to Detect Data Packet Droppers in Mobile Ad-Hoc Networks.- On-Demand Distributed Energy-Aware Routing with Limited Route Length.- Automatic Data Locality Optimization Through Self-optimization.- A Bio-inspired Approach for Self-protecting an Organic Middleware with Artificial Antibodies.- Autonomic Management of Edge Servers.- Short Papers.- Ubiquitous Zone Networking Technologies for Multi-hop Based Wireless Communications.- Proposal for Self-organizing Information Distribution in Peer-to-Peer Networks.- Autonomic Security for Home Networks.- Hovering Data Clouds: A Decentralized and Self-organizing Information System.- Defending Grids Against Intrusions.- ORCA - Towards an Organic Robotic Control Architecture.- Posters.- Active Element Network with P2P Control Plane.- A Monitoring Infrastructure for the Digital on-demand Computing Organism (DodOrg).- Autonomic Network Management for Wireless Mesh and MANETs.



53,49 €
49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540376583
Medium: Buch
ISBN: 978-3-540-37658-3
Verlag: Springer
Erscheinungstermin: 15.09.2006
Sprache(n): Englisch
Auflage: 1. Auflage 2006
Serie: Computer Communication Networks and Telecommunications
Produktform: Kartoniert
Gewicht: 429 g
Seiten: 261
Format (B x H): 155 x 235 mm

