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Nota di contenuto	Invited Paper -- Self-Organizing Networked Systems for Technical Applications: A Discussion on Open Issues -- Peer-to-Peer Systems -- Cooperation in P2P Systems through Sociological Incentive Patterns --

A Self-Organizing Super-Peer Overlay with a Chord Core for Desktop Grids -- Replication in Peer-to-Peer Systems -- Validating Peer-to-Peer Storage Audits with Evolutionary Game Theory -- Overlay Networks -- A Self-Organized Clustering Scheme for Overlay Networks -- A Practical Approach to Network Size Estimation for Structured Overlays -- A Framework of Economic Traffic Management Employing Self-Organization Overlay Mechanisms -- Resource and Service Management -- A Fine-Grained Model for Adaptive On-Demand Provisioning of CPU Shares in Data Centers -- DySSCo - A Protocol for Dynamic Self-Organizing Service Coverage -- An Approach to Autonomic Deployment Decision Making -- Self-Organizing Multirobot Exploration through Counter-Ant Algorithm -- Theory and General Approaches -- Self-Organization for Fault-Tolerance -- On Autonomy and Emergence in Self-Organizing Systems -- A Method to Derive Local Interaction Strategies for Improving Cooperation in Self-Organizing Systems -- Wireless Sensor Networks -- A Self-powered Module with Localization and Tracking System for Paintball -- Autonomous Deployment of Self-Organizing Mobile Sensors for a Complete Coverage -- A Self-Organized Head Selection for Hierarchical Routing in Wireless Sensor Networks -- Fault Detection, Resilience, and Self-Healing -- A Cell Outage Detection Algorithm Using Neighbor Cell List Reports -- A Semi-Autonomic Framework for Intrusion Tolerance in Heterogeneous Networks -- Weather Disruption-Tolerant Self-Optimising Millimeter Mesh Networks -- Short Papers – Networking Topics -- Bio-inspired Feedback Loops for Self-Organized Event Detection in SANETs -- A Dynamic Energy-Aware Algorithm for Self-Optimizing Wireless Sensor Networks -- SQUIRREL: Self-Organizing QoS-roUting for IntRa-flow Contention in Ad-Hoc wiRELess Networks -- Use Cases, Requirements and Assessment Criteria for Future Self-Organising Radio Access Networks -- Distributed Self-Optimization of Handover for the Long Term Evolution -- ADAPT: A Semantics-Oriented Protocol Architecture -- Cross Layer Dynamics in Self-Organising Service Oriented Architectures -- Short Papers – Theory, General and Distributed System Topics -- Can Solutions Emerge? -- On the Use of Linear Programming in Optimizing Energy Costs -- Instantiation of a Generic Model for Load Balancing with Intelligent Algorithms -- On Properties of Game Theoretical Approaches to Balance Load Distribution in Mobile Grids -- Web-Based Monitoring and Visualization of Self-Organizing Process Control Agents -- Spatial Self-Organization in Networks of Things.

Sommario/riassunto

This book constitutes the refereed proceedings of the Third International Workshop on Self-Organizing Systems, IWSOS 2008, held in Vienna, Austria, December 10-12, 2008. The 20 revised full papers and 13 revised short papers presented were carefully selected from the 70 full and 24 short paper submissions from authors from 33 different countries. The papers are organized in topical sections on peer-to-peer systems, overlay networks as well as resource and service management.
