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Nota di contenuto	Scalable Network Management -- On the Impact of Management Instrumentation Models on Web Server Performance: A JMX Case Study -- RAQNet: A Topology-Aware Overlay Network -- IBGP Confederation Provisioning -- Inter-domain Concepts -- Ontology-Based Management for Context Integration in Pervasive Services Operations -- A Terminology for Control Models at Optical Exchanges -- Self-forming Network Management Topologies in the Madeira Management System -- Activity-Based Scheduling of IT Changes -- Promises and Ubiquitous Management -- Estimating Reliability of Conditional Promises -- Modeling Change Without Breaking Promises -- Norms and Swarms -- Autonomous Infrastructure and Security -- Providing Seamless Mobility in Wireless Networks Using Autonomic Mechanisms -- A 'Pumping' Model for the Spreading of Computer Viruses -- Improving Anomaly Detection Event Analysis Using the EventRank Algorithm -- Management Models -- Modeling and Performance Evaluation of the Network and Service Management Plane -- Abstractions to Support Interactions Between Self-Managed Cells -- Self-management Framework for Unmanned Autonomous Vehicles -- Towards a Toolkit for the Analysis and Design of Systems with Self-Management Capabilities -- Policy Interactions -- Estimating Local Cardinalities in a Multidimensional Multiset -- Harnessing Models for

Policy Conflict Analysis -- Distributed End-to-End QoS Contract Negotiation -- Distributed and Heuristic Policy-Based Resource Management System for Large-Scale Grids -- Security Management -- Risk Based Authorisation for Mobile Ad Hoc Networks -- Malware Models for Network and Service Management -- A Survey of the High-Speed Self-learning Intrusion Detection Research Area -- Logic and Validation -- Distributed Case-Based Reasoning for Fault Management -- Understanding Promise Theory Using Rewriting Logic -- Graph Models of Critical Infrastructure Interdependencies -- Networks -- Self-management of Lambda-Connections in Optical Networks -- A Distributed Architecture for IP Traffic Analysis -- Iterative Key Based Routing for Web Services Addressing and Discovery -- Peer-to-Peer Large-Scale Collaborative Storage Networks -- Tutorials -- Xen Virtualization and Multi-host Management Using MLN -- Ponder2 - Policy-Based Self Managed Cells -- From Charging for QoS to Charging for QoE: Internet Economics in the Era of Next Generation Multimedia Networks -- Next Generation Semantic Business Process Management -- Programmability Models for Sensor Networks -- Scalable Routing for Large Self-organizing Networks -- The IT Infrastructure Library (ITIL) – An Introduction for Practitioners and Researchers -- Peer-to-Peer Market Places: Technical Issues and Revenue Models.

Sommario/riassunto

Research needs ideas, discourse and experimentation in order to thrive, but more than ever we are expected to make research immediately 'relevant' and available to society and the world of commerce. Of these three poles (ideas, discourse and experimentation), ideas lie farthest from a finished product, and it is therefore ideas that are most easily left behind in the rush to catch the gravy train. The pressure to prioritize applications rather than understanding hinders researchers from thinking deeply about problems, and in the worst case prevents us from truly understanding and innovating. The first Autonomous Infrastructure Management and Security conference (AIMS2007) was proposed as an act of optimism by the leaders of the EMANICS Network of Excellence in Network and Service Management. It was a proposal aimed at avoiding the tar-pit of "apply existing knowledge only," to reach out for new ideas that might expand our network of concepts and solutions. There are already many excellent conferences in the field of Network of System Management: LISA, IM, NOMS, DSOM, Policy Workshop, etc. Although there is an overlap, both in attendance and ideas, AIMS does not compete with any of these. Rather we have sought a strong cross-disciplinary forum, in which novelty and discussion are made paramount. An additional objective of AIMS is to provide a forum for doctoral students, the future leaders of our research, to discuss their research with a wider audience and receive training to help make their research careers successful. To this end, AIMS incorporates a European PhD Student Symposium and a tutorial programme that covers a broad range of topics.
