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Nota di contenuto	Programmable Networks and Heterogeneity -- Validating Inter-domain SLAs with a Programmable Traffic Control System -- Cross-Layer Peer-to-Peer Traffic Identification and Optimization Based on Active Networking -- Towards Effective Portability of Packet Handling Applications across Heterogeneous Hardware Platforms -- Architectural Frameworks -- Architecture for an Active Network Infrastructure Grid -- The iSEGrid -- Network Services on Service Extensible Routers -- A Network-Based Response Framework and Implementation -- Towards

Resilient Networks Using Programmable Networking Technologies -- Node Architectures -- Towards the Design of an Industrial Autonomic Network Node -- A Web Service- and ForCES-Based Programmable Router Architecture -- An Extension to Packet Filtering of Programmable Networks -- Services -- SAND: A Scalable, Distributed and Dynamic Active Networks Directory Service -- A Programmable Structured Peer-to-Peer Overlay -- Interpreted Active Packets for Ephemeral State Processing Routers -- Short Papers -- A Secure Code Deployment Scheme for Active Networks -- Securing AODV Routing Protocol in Mobile Ad-Hoc Networks -- Extensible Network Configuration and Communication Framework -- A Model for Scalable and Autonomic Network Management -- Intelligibility Evaluation of a VoIP Multi-flow Block Interleaver -- A Web-Services Based Architecture for Dynamic-Service Deployment -- The Active Embedded Ubiquitous Web Service Framework -- Framework of an Application-Aware Adaptation Scheme for Disconnected Operations -- Kinetic Multipoint Relaying: Improvements Using Mobility Predictions -- The Three-Level Approaches for Differentiated Service in Clustering Web Server -- On the Manipulation of JPEG2000, In-Flight, Using Active Components on Next Generation Satellites -- TAON: ATopology-Oriented Active Overlay Network Protocol -- A Biologically Inspired Service Architecture in Ubiquitous Computing Environments.

Sommario/riassunto

This book constitutes the thoroughly refereed post-conference proceedings of the IFIP-TC6 7th Annual International Working Conference on Active Networks, IWAN 2005, held in Sophia Antipolis, France, in November 2005. The 13 revised full papers and 13 revised short papers presented were carefully reviewed and selected from 72 submissions. The papers are organized in topical sections on programmable networks and heterogeneity, architectural frameworks, node architectures, and services.
