

Preface

The beginning of the 21st century is witnessing a drive to the convergence of fixed and mobile telecommunication networks and the increasing adoption of IP technologies for implementing seamless multimedia applications in next-generation networks. The IEEE International Workshop Series on IP Operations & Management (IPOM) is documenting this evolution by providing snapshots of the state of the art in the field of operations and management in IP-based networks.

The 5th IEEE International Workshop on IP Operations & Management (IPOM 2005), devoted to the “O&M Challenges in Next Generation Services and Networks”, was held in Barcelona, Spain, October 26–28, 2005. Here IPOM was one of the five collocated events under the banner “First International Week on Management on Networks and Services (www.manweek2005.org)”, together with the 16th IFIP/IEEE International Workshop on Distributed Systems: Operations and Management (DSOM 2005), the 8th International Conference on Management of Multimedia Networks and Services (MMNS 2005), the 2005 Symposium on Self-stabilizing Systems (SSS 2005) and the 1st IEEE/IFIP International Workshop on Autonomic Grid Networking and Management (AGNM 2005).

This book contains the official proceedings of IPOM 2005. It features 21 high-quality papers grouped into seven technical sessions looking at O&M for VoIP, IMS and managed IP services, management of open interfaces, QoS and pricing in NGNs, autonomic communications, policy-based management, routing and topologies, routing and tools, as well as experiences from testbeds and trials. Additional papers presented in two short sessions are published separately.

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