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IP Operations and Management

7th IEEE International Workshop, IPOM 2007
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Proceedings

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Preface

On behalf of the IEEE Communications Society, the Technical Committee on Network Operations and Management (CNOM), the Manweek 2007 Organizing Committee, and the members of the IPOM Technical Program Committee, it is our pleasure to present the proceedings of the Seventh IEEE Workshop on IP Operations and Management (IPOM2007), held as part of Manweek 2007 during October 31-November 2, 2007.

With the widespread deployment of IP-based networks, their operations and management have become increasingly important in terms of understanding emerging technical and scientific problems; lessons from such understanding are particularly important for future Internet design and management.

Like the previous IPOM workshops, IPOM 2007 was co-located with several related events as part of the 3rd International Week on Management of Networks and Services (Manweek 2007). The other events were the 10th IFIP/IEEE International Conference on Management of Multimedia and Mobile Networks and Services (MMNS 2007), the 18th IFIP/IEEE International Workshop on Distributed Systems: Operations and Management (DSOM 2007), the 2nd IEEE International Workshop on Modeling Autonomic Communications Environments (MACE 2007), and the 1st IEEE/IFIP International Workshop on End-to-End Virtualization and Grid Management (EVGM 2007). Co-locating those events provided the opportunity for an exchange of ideas between research communities that work on related topics, allowing participants to forge links and exploit synergies.

This workshop attracted 40 paper submissions through an open call for papers. A rigorous review process was followed with an average of 2.8 reviews per paper. The Technical Program Committee Co-chairs decided to have a strong program with single-track sessions. With this in mind, many papers were discussed regarding both aspects, the recommendations received from the reviewers and their relevance to the theme of the workshop.

These proceedings comprise 16 accepted full papers, thus the acceptance rate was 40%. Authors of accepted papers are from 13 different countries spanning four continents; they were invited to present their work at the conference. In addition, five submissions were chosen for display as posters at the workshop; short papers of 4-page length for these posters have also been included in the proceedings.

The accepted papers present topics around peer-to-peer connectivity and the future Internet, management of Internet security, service management and provisioning, aspects of QoS management and multimedia, as well as management for wireless networks.

We take this opportunity to thank all the members of the IPOM Technical Program Committee, the IPOM Steering Committee, the Manweek 2007 Organizing Committee, and the additional paper reviewers for their hard work that made this workshop possible. In addition, we thank the Springer LNCS team for their support of these proceedings.

Finally, we thank the patrons of Manweek 2007, Cisco Systems, France Telecom R&D, and the Telecommunications Software & Systems Group (TSSG), for their financial and in-kind contributions to this workshop. We thank the IEEE for their continued support and sponsorship of IPOM.

October 2007   Deep Medhi
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