

Pascal Lorenz
Petre Dini (Eds.)

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Networking – ICN 2005

4th International Conference on Networking
Reunion Island, France, April 2005
Proceedings, Part I

1 Part I

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Preface

The International Conference on Networking (ICN 2005) was the fourth conference in its series aimed at stimulating technical exchange in the emerging and important field of networking. On behalf of the International Advisory Committee, it is our great pleasure to welcome you to the proceedings of the 2005 event.

Networking faces dramatic changes due to the customer-centric view, the venue of the next generation networks paradigm, the push from ubiquitous networking, and the new service models. Despite legacy problems, which researchers and industry are still discovering and improving the state of the art, the horizon has revealed new challenges that some of the authors tackled through their submissions.

In fact ICN 2005 was very well perceived by the international networking community. A total of 651 papers from more than 60 countries were submitted, from which 238 were accepted. Each paper was reviewed by several members of the Technical Program Committee. This year, the Advisory Committee revalidated various accepted papers after the reviews had been incorporated. We perceived a significant improvement in the number of submissions and the quality of the submissions.

The ICN 2005 program covered a variety of research topics that are of current interest, starting with Grid networks, multicasting, TCP optimizations, QoS and security, emergency services, and network resiliency. The Program Committee selected also three tutorials and invited speakers that addressed the latest research results from the international industries and academia, and reports on findings from mobile, satellite, and personal communications related to 3rd- and 4th-generation research projects and standardization.

This year we enriched ICN with a series of papers targeting emergency services and disaster recovery (the AICED section); this emerging topic hopefully will lead to more robust and fault-tolerant systems for preventing technical and human disasters.

We would like to thank the International Advisory Committee members and the referees. Without their support, the program organization of this conference would not have been possible. We are also indebted to many individuals and organizations that made this conference possible (Cisco Systems, Inc., France Telecom, IEEE, IARIA, Region Reunion, University of La Reunion, ARP). In particular, we thank the members of the Organizing Committee for their help in all aspects of the organization of this conference.

We hope that the attendees enjoyed this International Conference on Networking on Reunion Island, and found it a useful forum for the exchange of ideas

and results and recent findings. We also hope that the attendees found time to enjoy the island's beautiful countryside and its major cultural attractions.

April 2005

Pascal Lorenz
Petre Dini

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