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NETWORKING 2011

10th International IFIP TC 6 Networking Conference
Valencia, Spain, May 9-13, 2011
Proceedings, Part I

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ISSN 0302-9743
ISBN 978-3-642-20756-3
DOI 10.1007/978-3-642-20757-0
Springer Heidelberg Dordrecht London New York

e-ISSN 1611-3349
e-ISBN 978-3-642-20757-0

Library of Congress Control Number: 2011925929

CR Subject Classification (1998): C.2, H.4, D.2, K.6.5, D.4.6, H.3

LNCS Sublibrary: SL 5 – Computer Communication Networks
and Telecommunications

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Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India

Printed on acid-free paper

Springer is part of Springer Science+Business Media (www.springer.com)

Welcome Message from the General Chairs

It is our honor and pleasure to welcome you to the proceedings of the 2011 IFIP Networking Conference. This was the 10th edition of what is already considered one of the best international conferences in computer communications and networks.

The objective of this edition of IFIP Networking conferences was to attract innovative research works in the areas of: applications and services, next-generation Internet, wireless and sensor networks, and network science. This goal was reached and we would like to thank our Technical Program Committee Co-chairs, Jordi Domingo-Pascual, Sergio Palazzo, and Caterina Scoglio, who organized the review of around 300 submissions, for the splendid technical program provided. The selected 64 high-quality papers were organized in two parallel tracks. The conference also included three technical talks from very prestigious scientists: Jim Kurose, José Duato, and Antony Rowstron. We would like to express our gratitude to them for accepting; their presence was a privilege for us all.

The present edition took place at the Computer Engineering School of the Universitat Politècnica of Valencia, in Spain.

All this would not have been possible without the hard and enthusiastic work of a number of people who contributed to making Networking 2011 a successful conference. Thus, we would like to thank all of them, from the Technical Committee Chairs and members, to the Local Organizing Committee, to the authors, and also to the staff of CFP-UPV who dealt with all local arrangements. Thanks also to the Steering Committee of Networking and all the members of the IFIP-TC6 for their support.

And finally, we would also like to encourage current and future authors to continue working in this direction and to participate in forums like this conference for the exchange of knowledge and experiences.

May 2011

Pietro Manzoni
Ana Pont

Technical Program Chairs' Message

It is a great pleasure to welcome you to the proceedings of Networking 2011, which was the 10th event of the series of International Conferences on Networking, sponsored by the IFIP Technical Committee on Communication Systems (TC6). The main objectives of these IFIP conferences are to bring together members of the networking community from both academia and industry, to discuss recent advances in the broad and fast-evolving field of computer and communication networks, and to highlight key issues, identify trends, and develop visions. For this year we had four main areas in the call for papers, namely, applications and services, next-generation Internet, wireless and sensor networks, and network science, which received, respectively, 18.8%, 45.2%, 20.6%, and 15.4% of the submitted papers.

This year, the conference received 294 submissions, representing a huge increase over the figures of the most recent years: it confirms this IFIP-supported initiative as a leading reference conference for the researchers who work in networking. Papers came from Europe, the Middle East and Africa (69.1%), Asia Pacific (16.5%), the USA and Canada (11.6%), and Latin America (2.8%).

With so many papers to choose from, the Technical Program Committee (TPC) job to select the final high-quality technical program was challenging and time consuming. The TPC was formed by 106 researchers from 22 different countries.

All papers were evaluated through a three-phase review process by at least three Program Committee members, who provided their own regular reviews; then, one of the three reviewers, being entitled as a meta-reviewer, opened a discussion among the three reviewers and provided a sum-up recommendation; finally, after a careful analysis of all recommendations, 64 papers were selected for the technical program, organized in 16 sessions, covering the main research aspects of next-generation networks. We would like to thank the members of the TPC, for they had to deal with a significant load reviewing papers due to the increase in the number of submissions. Also, we acknowledge the contribution of the additional reviewers who helped the TPC members in their task.

This event would not have been possible without the hard and enthusiastic work of a number of people who contributed to making Networking 2011 a successful conference. We would especially like to thank the General Co-chairs, Ana Pont and Pietro Manzoni, for their support throughout the whole review process, and the Steering Committee Chair, Guy Leduc, for his invaluable advice and encouragement.

All in all, we would like to thank all participants for attending the conference. We truly hope you enjoy the proceedings of Networking 2011!

Jordi Domingo-Pascual
Sergio Palazzo
Caterina Scoglio

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