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# Wired/Wireless Internet Communications

9th IFIP TC 6 International Conference, WWIC 2011  
Vilanova i la Geltrú, Spain, June 15-17, 2011  
Proceedings



# Preface

The IFIP International Conference on Wired/Wireless Internet Communications (WWIC) was organized and hosted by the Advanced Network Architectures Lab (CRAAX) at the Technical University of Catalonia (UPC), in Vilanova i la Geltrú, Spain, during June 15–17, 2011. In this edition, the conference was for the first time technically sponsored by IFIP TC6. In particular, WWIC 2011 got the endorsement of WG 6.2 (Network and Internetwork Architectures) and WG 6.8 (Mobile and Wireless Communications).

The conference attracted 50 submissions from 21 different countries in Asia, Europe, North America and Africa. All submitted papers went through a meticulous review by the Technical Program Committee members as well as other additional reviewers. After this strict review process, 22 high-quality papers were selected for publication in the conference proceedings as part of the IFIP *Lecture Notes in Computer Science* series. The Technical Program Committee also selected five additional papers that although were considered somewhat less mature technically, satisfied the criteria of novelty, presentation, relevance and in addition demonstrated clear potential for significant impact. All accepted papers were thematically distributed into six technical sessions making up the conference program, which covered highly relevant topics in the conference area grouped in major themes: quality through routing, naming and control, performance and simulation analysis, energy efficiency and cooperation in wireless networks, transmission and management, mobility and LTE networks.

The WWIC 2011 conference started with an outstanding keynote from Telefónica I+D, that gave way to the technical program. The technical program included five keynotes, two invited talks, two invited papers and one interesting panel on “Delay Tolerant Networking.” The conference was completed by two invited sessions, one on “Adaptive Approaches to Guarantee E2E Network Services” (organized by Abdelhamid Mellouk from the University of Paris-Est Creteil and Eva Marín from Universitat Politècnica de Catalunya), and the other on “Wireless Multi-hop Communications Challenges in the Future Internet” (organized by Marília Curado from the University of Coimbra and Enzo Mingozzi from the University of Pisa). Keeping the tradition of previous WWIC editions, WWIC 2011 was pleased to host the 5th ERCIM Workshop on eMobility which took place on June 14, 2011, and was organized by Torsten Braun from the University of Bern and Geert Heijenk from the University of Twente.

This year’s edition the WWIC conference was preceded by the Cost IC0806 Workshop, that was hosted by UPC during June 13–14.

The conference organization team would like to express its gratitude to the WWIC Steering Committee, which decided on the WWIC 2011 location. It has been a pleasure for the CRAAX team at UPC to organize and host WWIC 2011.

Finally, we would also like to record our appreciation of the efforts of many people in bringing about the WWIC2011 conference: all authors that submitted papers to the conference; the Technical Program Committee and the additional reviewers devoting time on creating these proceedings; the financial institutions (CISCO, SPICE, Spanish Ministry of Science and Education, UPC and i2cat); the technically sponsoring institution IFIP; and the sponsors, since all of them made this challenge feasible. In particular we appreciate the commitment of the CRAAX Lab staff for their dedication and the support received from the UPC Campus in Vilanova and the City Council.

April 2011

Xavi Masip  
Dominique Verchere  
Vassilis Tsaoussidis  
Marcelo Yannuzzi

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