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# Wired/Wireless Internet Communication

10th International Conference, WWIC 2012  
Santorini, Greece, June 6-8, 2012  
Proceedings



Springer

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# Preface

The 10<sup>th</sup> International Conference on Wired / Wireless Internet Communications (WWIC) took place in the magnificent island of Santorini during June 6–8, 2012. Previous events were held in Vilanova i la Geltrú (Spain) in 2011, Lulea (Sweden) in 2010, Twente (The Netherlands) in 2009, Tampere (Finland) in 2008, Coimbra (Portugal) in 2007, Bern (Switzerland) in 2006, Xanthi (Greece) in 2005, Frankfurt-Oder (Germany) in 2004 and Las Vegas (USA) in 2002. This year's event was organized and partially supported by the Space Internetworking Center (SPICE), Democritus University of Thrace in Greece.

The conference attracted 50 submissions from 22 different countries in Asia, Europe, North America and Africa. All submissions were subject to thorough review work by the Technical Program Committee members and additional reviewers. The committee, based on the final paper ranking, accepted 23 papers that were ranked first as regular papers to be presented in different thematic sessions and the next six papers (above threshold) as short papers to be presented in a work-in-progress session. All papers satisfied the criteria of novelty, presentation, relevance, and in addition, demonstrated clear potential for significant impact; therefore, all 29 papers were included in the proceedings, as part of the *Lecture Notes in Computer Science* series.

The papers were organized into six thematically distinct technical sessions, covering the following major topics: Virtual Networks and Clouds, Multimedia Systems, Wireless Sensor Networks and Localization, Delay-Tolerant and Opportunistic Networks, Handover Techniques and Channel Access and Ad hoc Networks. The work-in-progress papers were presented in a dedicated session. Furthermore, an additional session with invited papers in the area of Delay- and Disruption-Tolerant Networks was organized.

In WWIC 2012, we particularly emphasized on areas such as Delay- and Disruption-Tolerant Networks (DTNs) and Opportunistic Networks with a dedicated technical session, an invited session, one keynote speaker and a very interesting panel discussion. All events in the area of DTNs were kindly supported and organized by the Space Internetworking Center (SPICE) project.

WWIC 2012 was pleased to host the joint ERCIM eMobility and MobiSense workshops, which took place on June 9, 2012.

We would like to thank the authors for choosing to submit their results to WWIC 2012, all the members of the Technical Program Committee, the members of the Organizing Committee, as well as all the additional reviewers for their effort to provide detailed and constructive reviews. We are grateful to the two keynote speakers, Eytan Modiano and Jeorg Ott, for accepting our invitation; and to Springer LNCS for their long-term support. Last but not least, we would like to thank the companies Erasmus SA ([www.erasmus.gr](http://www.erasmus.gr)) and

LiveEvents ([www.liveevents.tv](http://www.liveevents.tv)) for providing organizational support and live Internet broadcasting services, respectively.

We hope that all participants enjoyed the technical and social conference program, the hospitality of our Greek hosts and the beauty of the conference location. Next year's conference will take place in St. Petersburg, Russia. We hope to see you there again.

June 2012

Vassilis Tsaoussidis  
Yevgeni Koucheryavy  
Ibrahim Matta  
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