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Wireless Sensor Networks

9th European Conference, EWSN 2012
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Preface

This volume contains the proceedings of EWSN 2012, the 9th European Conference on Wireless Sensor Networks. The conference took place in Trento, Italy, during February 15–17, 2012. The aim of the conference was to discuss the latest research results and developments in the field of wireless sensor networks.

EWSN received a total of 78 paper submissions of which 16 were selected for publication and presentation, yielding an acceptance rate of around 20%. Paper submissions were received from 30 different countries from all over the world. EWSN adopted a double-blind review process, where the identities of the paper authors were also withheld from the reviewers. The selection process involved over 250 reviews with all papers being evaluated by at least three independent reviewers, and most receiving four reviews. In addition, the reviews were discussed on-line by the Technical Program Committee, prior to making final decisions. A few papers underwent an additional round of revision managed by a “shepherd,” appointed among reviewers. The final program covered a wide range of topics, which were grouped into five sessions: Communication and Security, System Issues, Reliability, Localization and Smart Cameras, and Hardware and Sensing. Papers touched on theoretical and analytical approaches, as well as empirical research and protocol/system design and implementation.

The conference program included other elements in addition to the presentation of research papers. The keynote was given by Peter Corke, Professor of Robotics and Control at Queensland University of Technology, Australia, who spoke about “Environmental Wireless Sensor Networks: A Decade’s Journey from the Lab to the Field.” A poster and research demo session, co-chaired by Amy Murphy and Thiemo Voigt, attracted over 40 submissions, for which separate proceedings are available. Moreover, an industrial demo session, co-chaired by Pedro José Marrón and Rajeev Shorey, gave companies working in the area of wireless sensor networks the chance to demonstrate their products. Two tutorials were also held before the conference: “Prototyping the Internet of Things—Creating Future Embedded Devices with Arduino,” by David Cuartielles (Arduino and Malmö University, Sweden) and “Remote Open Testbed for Cooperation of Wireless Sensor Networks and Mobile Robots,” by José Ramiro Martínez de Dios (University of Seville, Spain).

We would like to thank everyone who contributed to EWSN 2012. In particular, we would like to thank the Technical Program Committee for their reviews, and the entire Organizing Committee for their support. Finally, we also would like to thank the University of Trento for providing the conference venue as well as supporting the conference organization, and last, but certainly not least, we thank our sponsors: CONET Network of Excellence (Gold Sponsor), Telecom Italia (Gold Sponsor), TrentoRISE (Gold Sponsor), 3TEC (Silver Sponsor), and SAP (Bronze Sponsor).

February 2012

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