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Real-World Wireless Sensor Networks

4th International Workshop, REALWSN 2010
Colombo, Sri Lanka, December 16-17, 2010
Proceedings

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Preface

Welcome to the proceedings of REALWSN 2010, the 4th Workshop on Real-World Wireless Sensor Networks!

After three meetings in Europe we decided to hold REALWSN in exciting Sri Lanka. We want to thank the local organizers as well as the authors, attendees and members of the technical Program Committee, Demo and Poster Chairs for making this event possible.

As the name of the workshop suggests, REALWSN is a forum for people interested in real-world issues in the fascinating research area of wireless sensor networks. Despite many years of research the deployment of real sensor networks is still a challenging task. The behavior of real deployed networks differs substantially from the behavior of the same network in a simulator. The main objective of REALWSN is to bring together researchers and practitioners to understand these differences and boost the state of the art in this exciting field.

This year the program consisted of 11 full papers and five short papers carefully selected from over 34 submissions. Since REALWSN 2010 was a stand-alone two-day event, the attendees could also look forward to a poster and demo session with more than 10 contributions. The technical program covered topics from low-level communication and software development to a variety of real-world sensor network applications, some of them tailored to Asian wildlife which we think is particularly interesting.

Thanks again to all people who contributed to the workshop: the Technical Program Committee, the demo and poster chairs Kameswari Chebrolu and Adam Dunkels, the Publication Chair Luca Mottola and our sponsors that include the University of Colombo, the Uppsala VINN Excellence Center for Wireless Sensor Networks WISENET, InterBlocks Ltd. and the Sustainable Computing Research Group at the University of Colombo. The local Organizing Committee provided tremendous help that made REALWSN possible.

December 2010

Thiemo Voigt
Pedro José Marrón
Peter Corke
Kasun De Zoysa

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REALWSN was organized by the University of Colombo, School of Computing.

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