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in Computer and Information Science

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Preface

This book constitutes the refereed proceedings of the First International Conference on Wireless Sensor Networks for Developing Countries, WSN4DC 2013. With the emergence of electronics and nanotechnology, pervasive and ubiquitous environments are becoming a reality. The key enabler technology for these environments is wireless sensor networks (WSNs). We have seen several WSN advancements recently in the military domain. The world is now well aware of the power of WSN and its applications, which are endless. WSN4DC aims to bring together a wide spectrum of international experts to facilitate a creative environment for the promotion of collaboration and knowledge transfer under the domain of WSN usage for developing countries. In particular, WSN4DC facilitates a dialog between major industry players, entrepreneurs, and academia to help create a road-map for the development of tangible research environment in developing countries. WSN4DC is an international forum for researchers to exchange information regarding novel aspects of technology, application, and service development within the WSN domain.

This year, WSN4DC 2013 received 30 submissions. A small subset of papers was classified as quick rejects based on their quality and likelihood of acceptance. All the other papers underwent a rigorous review process with each paper receiving at least three reviews. The review process comprised several stages including Technical Program Committee (TPC) member reviews, TPC lead summary recommendations, and additional reviews (as needed). Based on the TPC recommendations, we were only able to accept ten papers for publication and presentation at WSN4DC 2013. This represents an acceptance rate of approximately 33%. The conference program was structured into two parallel-track sessions for the presentation of papers, a track for short paper presentation, a PhD Symposium, and a Poster Session. The topics presented had a reasonable balance between theory and practice in WSNs. The program also included three keynote speeches by renowned experts in the field, and two parallel thematic tutorials.

This event would not have been possible without the enthusiastic and hard work of a number of colleagues. We would like to express our gratitude to the General Chairs, for their assistance through the whole process, and the Steering Committee members for their supportive guidance. We also thank all the other members of the Organizing Committees for the fruitful cooperation. A special thanks goes to the TPC members, and all the referees, for their invaluable help in reviewing the papers. We would also like to thank our partners and sponsors, especially the Higher Education Commission, National ICT R&D Fund, and
Pakistan Science Foundation. We wish to acknowledge all the authors for their overwhelming support in submitting their papers to WSN4DC 2013. Last but not least, we wish to thank all the participants for attending the conference.

April 2013

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