

Preface

This book constitutes the refereed proceedings of the Third International Multi-topic Conference, IMTIC 2013. The conference theme was “Communication Technologies, Information Security and Sustainable Development.” IMTIC 2013 provided an opportunity for national and international researchers and practitioners to present state-of-the-art results and future challenges in the fields of information communication technologies along with security-related issues and their contributions toward sustainable development.

IMTIC 2013 received more than 140 submissions. All submitted papers went through a rigorous review process with each paper receiving at least three reviews. The review process included several stages including TPC member reviews, an online discussion among the reviewers, TPC lead summary recommendations, and additional reviews (as needed). Based on the TPC recommendations, we accepted a total of 27 papers for publication and presentation at IMTIC 2013. This represents an acceptance rate of 21.42 %.

With so many papers to choose from, providing a conference program with a high level of technical excellence became a task that was challenging and time-consuming, but ultimately a very rewarding one with the efforts of the Technical Program Committee (TPC). The TPC focused on two aspects while selecting the technical papers: first, to provide a forum for researchers from all over the world and, specifically, Pakistan to present and discuss their research results in the relevant areas covered by the conference; second, to maintain the highest technical standard for accepted papers. The conference program was structured with two parallel-track sessions for the presentation of papers, a PhD symposium and a poster session. The topics presented had a reasonable balance between theory and practice in multidisciplinary topics including wireless sensor networks, cloud computing, wireless communication, antenna design, signal processing, software engineering, image processing, bioinformatics and telemedicine, neural networks, automation and control, and green renewable energy. The program also included eight keynote speeches by renowned experts in the field and five parallel thematic tutorials.

This event would not have been possible without the enthusiasm and hard work of numerous colleagues. We express our gratitude to the General Chairs, for their assistance throughout the 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 vote of thanks goes to the TPC members, and all the

referees, for their invaluable help in reviewing the papers. We acknowledge all the authors for their overwhelming support in submitting their papers for consideration to IMTIC 2013. Last but not least, we thank all the participants for attending the conference. We sincerely hope that you enjoyed IMTIC 2013.

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