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Editors

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Preface

Welcome to the proceedings of the International Conference on Electrical, Information Engineering and Mechatronics 2011 (EIEM 2011), held on 23–25 December 2011, in Jiaozuo, Henan, China.

EIEM 2011 was a venue for leading academic and industrial researchers to exchange their views, ideas, and research results on innovative technologies and sustainable solutions on Electrical, Information Engineering and Mechatronics.

The objective of EIEM 2011 was to facilitate an exchange of information about the best practices for the latest research advances in the area of Electrical, Information Engineering and Mechatronics, which mainly includes the intelligent control, efficient management, or optimal design of access network infrastructures, home networks, terminal equipment, etc. EIEM 2011 was a forum for engineers and scientists in academia, industry and government to address the most innovative research and developments including technical challenges, social and economic issues. Attendees presented and discussed their ideas, results, works in progress and experiences on all aspects of Electrical, Information Engineering and Mechatronics.

There were a very large number of paper submissions (868), representing five countries and regions. All submissions were reviewed by at least three Program and Technical Committee members or external reviewers. It was extremely difficult to select the presentations for the conference because there were so many excellent and interesting submissions. In order to allocate as many papers as possible and keep the quality of the conference high, we finally decided to accept 255 papers for presentations, reflecting a 29.3% acceptance rate; and 85 papers were included in this volume. We believe that all of these papers and topics not only provided novel ideas, new results, work in progress and state-of-the-art techniques in this field, but also stimulated the future research activities in the area of Electrical, Information Engineering and Mechatronics.

The exciting program for this conference was the result of the hard and excellent work of many others, such as Program and Technical Committee members, external reviewers and Publication Chairs under a very tight schedule. We are also grateful to the members of the Local Organizing Committee for

supporting us in handling so many organizational tasks, and to the keynote speakers for agreeing to come to the conference with enthusiasm. Last but not least, we hope you enjoy the conference program.

With our warmest regards,

23–25 December 2011
Jiaozuo, China

EIEM 2011 General and Program Chairs

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