

PREFACE

Dear Distinguished Delegates and Guests,

International Conference on Electrical Information and Mechatronics (ICEIM2011) was held in Jiaozuo, China, from December 23-25, 2011, serving as a platform for expertise exchange. ICEIM 2011 had drawn the attention of researchers from various disciplines: Sustainable Electrical Information and Mechatronics, etc.

Persons who attended the conference were engineers, scientists, managers of various companies and professors of the universities abroad and home. We have had record number of submission 645 this year. From which 177 papers have been accepted for presentation at the conference and will be published by TTP, in Applied Mechanics and Materials (AMM) Journal (ISSN: 1660-9336), which is online available in full text via the platform www.scientific.net. AMM should be indexed by EI according the previous TTP index results.

We express our special gratitude to all the members of the General Committee Chairs, Program Committee Chairs, Technical Program Committee and Steering Committee who worked so hard to prepare the conference and who supported the conference so professionally.

International Conference on Electrical Information and Mechatronics (ICEIM2011) is organized by Henan Polytechnic University, co-organized by Chinese Academy of Sciences, Society of Intelligent Aerospace Systems (SIAS), Linear Motor Committees of China Electrotechnical Society, China, Zhejiang University, Southeast University, BeiHang University, Northwestern Polytechnical University, China University of Mining and Technology, Zhengzhou University and et al, and it sponsored by the fund from National Natural Science Foundation of China (NSFC). Their kind support makes ICEIM 2011 become possible. Especially, we should thank the TTP.

Finally, we would like to thanks all the authors, speakers and participants of this conference for taking part in and contributing to the International Conference on Electrical Information and Mechatronics.

We hope you have a unique, rewarding and enjoyable week at ICEIM2011 in Jiaozuo, China.

With our warmest regards,

ICEIM2011 Organizing Committees
December 23-25, 2011
Jiaozuo, China

Committees

Conference Chairs

Shiying Yuan, Henan Polytechnic University, China
Yuhang Yang, Shanghai Jiao Tong University,
China

Program Committee Chairs

Yunyue Ye, Zhejiang University, China
Fashan Yu, Henan Polytechnic University, China
Liucheng Jiao, Henan Normal University, China
Ming Fan, University of Washington, USA

Local Arrangement Chairs

Xudong Wang, Henan Polytechnic University, China
Fuzhong Wang, Henan Polytechnic University, China

Contact Co-Chairs

Wei,Qian, Henan Polytechnic University, China
Wenjiang Du, Chongqing Normal University, China

Publication Chair

S.B.Zhong, Chongqing Normal University, China

Technical Program Committee

MaodeMa, Nanyang Technological University, Singapore
Nadia Nedjah, State University of Rio de Janeiro, Brazil
Lorna Uden, Staordshire University, UK
Dechang Chen, Uniformed Services University of the Health Sciences, USA
Mei-Ching Chen, Tatung University, Taiwan
Rong-Chang Chen, National Taichung Institute of Technology, Taiwan
Chi-Cheng Cheng, National Sun Yat-Sen University, Taiwan
Naohiko HANAJIMA, Muroran Institute of Technology, Japan
Shumin Fei, Southeast University, China
Yingmin Jia, BeiHang University, China
Weiguo Liu, Northwesten Polytechnic University, China
Yongji Wang, Huazhong University of Science and Technology, China

Xiaoping Ma, China University of Mining and Technology, China
Jie Wang, Zhengzhou University, China
Yanbo Hui, Henan University of Technology, China
Guangzhao Cui, Zhengzhou University of light Industry, China
Xuejun Li, Hunan University of Science and Technology, China
Pengjun Mao, Henan University of Science and Technology, China
Dongyun Wang, Zhongyuan University of Technology, China
Wenjiang Du, Chongqing Normal University, China
Qixing Xu, Henan Institute of Engineering, China
Xiaohong Fan, Henan University of Urban Construction, China
Bo Zhao, Henan Polytechnic University, China
Zongpu Jia, Henan Polytechnic University, China
Ziyi Fu, Henan Polytechnic University, China
Xuema Guan, Henan Polytechnic University, China
Zheng Zhen, Henan Polytechnic University, China
Quanyu Kang, Henan Polytechnic University, China
Yongle Ai, Henan Polytechnic University, China
Ming Fan, Foster School of Business of University of Washington, USA
Juergen Bruess, AutoTXT, Germany
Bahram Honary, Lancaster University, UK
Michael Darnell, Warwick University, UK
Plamen Angelov, Lancaster University, UK
Farideh Honary, Lancaster University, UK
T.R. Melia, Cisco Systems, Switzerland