

# Preface

The MCCE 2014 - 3rd Asian Pacific Conference on Mechanical Components and Control Engineering will be held in Nankai University 20-21 Sep. 2014. The disciplines of Mechanical Components and Control Engineering have witnessed an unprecedented progress impacting our life at work-places, at homes and virtually all around us. These multi-faceted disciplines are converging very fast. International collaborative research requires a vital community of researchers in each of the participating nations and commitment to share the benefits of research among the key stakeholders including developing nations. The universities and professional societies could play a crucial role to ensure the above.

This conference received significant attention all over the World. This volume represents papers accepted which are of good quality and more relevant towards the title of the conference. This conference covers these topics Materials Science and Processing Technologies; General Mechanical Engineering and Mechanics; Mechatronics and Robotics; Control Technologies, Automation and Simulation of Manufacturing; Electrical Engineering and Electric Machines; Power System and Energy Engineering, its Applications; Electronics and Integrated Circuits, Embedded Technology and Applications; Measurements, Testing, Monitoring, Analysis and Methodology; Signal and Image Processing, Data Mining and Computational Mathematics; Communication, Networks and Information Technologies; Traffic and Transportation; Civil, Construction, Mining and Energy; Earth Science and Environmental Engineering; Biomedical Engineering; Product Design, Planning, Projects Management and Industrial Engineering. We would like to thank the Nankai University. The members of Program committee and Reviewers have worked hard in reviewing and making valuable suggestion for the authors which would have certainly helped the authors to further sharpen their technical knowledge. We also sincerely express our whole hearted gratitude to the external reviewers for their support provided in the review process. We thank the authors for submitting their research works to the conference. We also express special thanks to TTP publisher.

Prof. Weimin Ge  
Tianjin University of Technology  
China

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