Preface

Dear Distinguished Delegates and Guests,

The Organizing Committee warmly welcomes our distinguished delegates and guests to the 5th International Conference on Mechanical Science and Engineering (5th ICMSE) will be held in Xi'an, Shanxi, China during Nov. 14-16, 2014.

ICMSE2014(Fall) is sponsored by International Association of Management Science and Engineering Technology (IAMSET). The ICMSE 2014(Fall) is organized to gather members of our international community scientists so that researchers from around the world can present their leading-edge work, expanding our community's knowledge and insight into the significant challenges currently being addressed in that research. The conference Program Committee is itself quite diverse and truly international, with membership from the Americas, Europe, Asia, Africa and Oceania.

This proceeding records the fully refereed papers presented at the conference. The main conference themes and tracks are Sustainable Design and Manufacturing Integration. The main goal of these events is to provide international scientific forums for exchange of new ideas in a number of fields that interact in-depth through discussions with their peers around the world.

The conference has solicited and gathered technical research submissions related to all aspects of major conference themes and tracks. All the submitted papers in the proceedings have been peer reviewed by the reviewers drawn from the scientific committee, external reviewers and editorial broad depending on the subject matter of the paper. Reviewing and initial selection were undertaken electronically. After the rigorous peer-review process, the submitted papers were selected on the basis of originality, significance, and clarity for the purpose of the conference. The selected papers and additional late-breaking contributors to be presented as lectures will make an existing technical program.

The high quality of the program-guaranteed by the presence of an unparalleled number of internationally recognized top experts can be assessed when reading the contents of the program. The conference will therefore be a unique event, where attendees will be able to appreciate the latest results in their field of expertise, and to acquire additional knowledge in other fields. The program has been structured to favor interactions among attendees coming from many diverse horizons, scientifically, geographically, from academia and from industry. Included in this will to favor interactions are social events at prestigious sites.

We would like to thank the program chairs, organization staff and the members of the program committees for their work. Thanks also go to Advanced Materials Research, for its wonderful editor service to this proceeding.

We are grateful to all those who have contributed to the success of ICMSE 2014 (Fall). We hope that all participants and other interested readers benefit scientifically from the proceedings and also find it stimulating in the process. Finally, we would like to wish you success in your technical presentations and social networking.

We hope you have a unique, rewarding and enjoyable week at ICMSE 2014 (Fall) in Xi'an, China.

With our warmest regards,

ICMSE Organizing Committees
Nov. 14-16, 2014,Xi'an, China.

Sponsor

International Association of Management Science & Engineering Technology (IAMSET)

International Association of Management Sciences and Engineering Technology (IAMSET) is a registered (Reg.No.35848437) scientific and educational organization that dedicated to promote research into and understanding of management science, engineering technology, and improving the solution of technical difficulties in engineering technology application. These goals are accomplished through various activities, conferences, workshops, training and publications.

The IAMSET members are research scientists, engineers, professors, scholars, managers, and technology students, etc. who worked in management science and engineering technology research. It plays an influential role and promotes developments in management science and relevant engineering technology in the world. The mission of IAMSET is to foster and conduct collaborative interdisciplinary research in state-of-the-art methodologies and technologies within its areas of expertise.

We welcome into membership all those, no matter he is from whatever country, discipline or level of technical knowledge, who want to improve their understanding of management science frontiers, engineering technology, and support its better improvement. All members receive the same benefits. IAMSET harnesses the research, knowledge, expertise and enthusiasm of its members to promote the professional management and practice in the world.

IAMSET organizes conferences, workshops and provides sponsor or technical co-sponsor to various conferences, workshops where technical, theoretical, scholarly, and applied papers are presented and discussed. IAMSET can publish some double-blind refereed academic journals and some Books in engineering technology and application. All papers in our conference proceedings will be published by the well-known press, such as Academic Press, Springer, ASME, American Scientific Publishing, and SPIE, TTP and will be submitted to the major indexing services for indexing.

More information, Please visit at http://www.iamset.org

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