

# Preface

Dear Distinguished Delegates and Guests,

The Organizing Committee warmly welcomes our distinguished delegates and guests to the 4<sup>th</sup> edition of the IEEE/IACSIT/SCIEI International Conference on Aerospace, Robotics, Mechanical Engineering, Manufacturing Systems, Biomechanics, Neurorehabilitation and Human motricities, (ICMERA 2013) what will be organized by University Politehnica of Bucharest, Romania, departments of machines and manufacturing systems, aerospace, mechatronics and robotics, mechanical engineering, under the higher tutelage of the Romanian Academy of Technical Sciences- Mechanical Branch in cooperation with: Academy of Scientists from Romania, University Medicine of Bucharest, Elias University Emergency Hospital of Bucharest, Henri Coanda Air Force Academy, Pro Optica Romanian Society, INCDMTM, Land Forces Academy, Military Equipment and Technologies Research Agency, Optoelectronica 2001 and SSEUSU association.

The conference was sustained by International Association of Computer Science and Information Technology of Singapore (IACSIT), Science and Engineer Institute of USA (SCIEI) and by International University Association for Science and Technology of Romania (AUSTRO).

The main objective of the conference is to bring together leading researchers, engineers and scientists in the fields of interest from Romania and from around the world in order to: provide a platform for researchers, engineers, academicians as well as industrial professionals to present their latest experiences and developments activities in the field of Smart Systems and their Applications in Aerospace, Robotics, Mechanical Engineering, Manufacturing Systems, Biomechatronics, Neurorehabilitation and Human motricities; provide opportunities for attendees to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration.

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 proceeding have been peer reviewed by the reviewers drawn from the scientific committee, external reviewers and editorial board depending on the subject matter of the paper.

The Proceedings contents the invited papers from around the world, recognition specialists in this field and following sessions: Aerospace Engineering, Mechanical Engineering and Materials Engineering, Biomechanics, Measurement and Technical Diagnostics, Robotics, Automation and Smart Systems Applications, Applied Mathematics and Information Technologies and Engineering Management.

The best papers of the sessions will be awarded after the conference with vouchers representing the conference fee (200 euro) for submitting a paper in OPTIROB 2014 or ICMERA 2014.

We hope that all participants and other interested readers benefit scientifically from the proceedings and also find it stimulating in the process. Finally, I believe in a complete success of the 4<sup>th</sup> edition of the conference.

## **IN GOD WE TRUST!**

With best regards,

**CHAIRMAN**

ICMERA 2013 International Conference

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