

Preface

Dear Distinguished Delegates and Guests,

The Organizing Committee warmly welcomes our distinguished delegates and guests to the 9th edition of the IEEE/IACSIT/SCIEI International Conference on Modeling and Optimization of the Aerospace, Robotics, Mechatronics, Machines- tools, Mechanical Engineering and Human motricity fields- (OPTIROB 2014), held on June 26-29, 2014, Mangalia, ROMANIA (www.optirob.com).

The IEEE/IACSIT/SCIEI OPTIROB 2014 International Conference is organized by the Aerospace, Robotics, Manufacturing systems, Mechatronics, Neurorehabilitation departments of University POLITEHNICA of Bucharest, Romania, under the higher tutelage of the Romanian Academy of Technical Sciences- Mechanical Branch in cooperation with: Academy of Scientists from Romania, Medicine and Pharmacy University 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 and Solid Mechanics Institute of the Romanian Academy.

The conference will be sustained by International Association of Computer Science and Information Technology of Singapore (IACSIT), Science and Engineer Institut of USA (SCIEI), International University Association for Science and Technology of Romania (AUSTRO) and Science Society Human Excelence and University Sport (SSEUSU).

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 fields of Aerospace, Robotics, Mechanical Engineering, Manufacturing Systems, Biomechatronics, Neurorehabilitation and Human motricity; 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 contains the invited papers from around the world recognition specialists in this field and following sessions: Aerospace; Robotics and Mechatronics; Applied Dynamics, Mechanics and Engineering; Machine-Tools and Manufacturing Modern Methods; Human Motricities; Image Processing; Management Application and Civil and Military Applications of the Intelligent Systems.

We are grateful to all those who have contributed to the success of the last edition of IEEE/IACSIT/SCIEI OPTIROB 2013 International Conference. 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 9th edition of the conference.

IN GOD WE TRUST!

With best regards,
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