P R E F A C E

Dear Distinguished Delegates and Guests,


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: Mechanical Engineering, Manufacturing Systems, Robotics, Medical and Military field; 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: Invited papers, Mechanical Engineering, Manufacturing Systems, Robotics and Aerospace.

We are grateful to all those who have contributed to the success of the 7th edition of IEEE/IACSIT OPTIROB 2012 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 7th edition of the conference.

IN GOD WE TRUST!
GOOD LUCK!

With best regards,
CHAIRMAN OPTIROB 2012 International Conference
Prof.univ.Ph.D.Eng.Adrian Olaru

University POLITEHNICA of Bucharest, Romania
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Senior member of Mechanical Engineering Society (MES), Singapore
Senior member of Automation and Robotics Society (ARS), Singapore
Member of American Nano Society (ANS), USA
Member of Romanian Robotics Society (RRS), Romania
President of University Association for Science and Technology (UASTRO) of Romania
# Technical Committee

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