

# Foreword

The International Conference ***ADvances in Engineering and Management - ADEM 2014*** organized by the Department of Engineering and Management of Technological Systems, Faculty of Mechanics, University of Craiova has reached the third edition. The previous one was held in 2012 organized by Faculty of Mechanics, Department of Engineering and Management of Technological Systems Drobeta Turnu-Severin, University of Craiova and represented a significant scientific event with a broad audience both national and international.

The ADEM 2014 International Conference attracted more than 50 participants from 6 countries, representing prestigious universities, research institutes and industry. More than 80 extended abstracts have been submitted for this scientific event from which 55 were chosen to be published in the Conference Proceedings as full papers.

The present volume provides up-to-date, comprehensive and worldwide state-of-the art knowledge in Advanced Materials and Engineering, including:

- Advanced Materials and Processing Technologies;
- Engineering Decisions and Investigations for Mechanical Engineering;
- Environmental Engineering and Safety at Work;
- Navigation and Maritime and Inland Transport Systems;
- Management and Industrial Engineering

As a chairman of the Organizing Committee of ADEM 2014, I would like to thank to all the authors and co-authors of the papers and to the members of the Scientific Committee for their efforts in reviewing the scientific papers. My special thanks are due to the invited speakers and to the authors from abroad for attending the conference and for their willingness to share knowledge from their research and academic experience. The organizers are thankful to the generous sponsors for their financial support of this scientific event

Drobeta Turnu-Severin, September 2014

**Professor Gabriel BENGĂ, PhD**  
Chairman of the Organizing Committee of ADEM 2014

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