

Preface

The present book presents up-to-date contributions in the field of mechanical engineering. The following topics are covered: Science of Materials and Processing Technologies, Design of Vehicles and Combustion Engines, Applied Thermodynamics and Heat Transfer, Renewable Energy, Engineering of Thermal Systems, Technologies and Machines in Agriculture and Food Processing, Applied Computational Methods in Design and Modelling, Engineering Management and Engineering Education. The results reported in this book should interest researchers, scientists, industrial experts, teachers and students in the field of mechanical engineering related to design, control and applications.

The authors discussed their results at *The 6th International Conference on Advanced Concepts in mechanical Engineering (ACME 2014)*, held in Iasi, Romania, on June 12-13, 2014. The contributions had rigorously reviewed and selected by independent reviewers, members of the International Scientific Committee of this conference. ACME 2014 was organized by Mechanical Engineering Faculty, at “Gheorghe Asachi” Technical University of Iasi, Romania, under the patronage of Romanian Ministry of Education, Romanian Academy of Technical Sciences, with the scientific support of Romanian Association of the Science of Machine and Mechanism, ARoTMM.

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I. Doroftei, C. Oprisan, A. Popescu, editors

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