

Preface

Computational methods are widely used in many areas of the academia and the industry, in theory and in the practice. A special feature of our Conference is broad formula resulting from the extent of the concept of “computational methods”.

The aim of conference is to present results and exchange experiences of research work in the area of broadly defined use of computational methods. The conference is addressed to academic staff, research institutes, manufacturing and transportation. The conference covers all areas of computational methods.

The CMAS 2014, International Conference on Computational Methods in Applied Sciences was held at the Cracow University of Technology, Kraków, POLAND on 17-18 December, 2014.

The selected papers from the Conference after reviewing by at least two experts were prepared for this volume of *Applied Mechanics and Materials*. The papers were chosen taking into account their quality and relevancy to the conference. The volume represents the recent advances in computational methods and their applications.

The Organizing Committee is grateful to dean and workers of the Faculty of Mechanical Engineering of Cracow University of Technology, Centre for Laser Technologies of Metals of Kielce University of Technology who made possible the Conference and edition of this volume. The Committee acknowledges all who have updated and reviewed the papers submitted to the conference, the scientific secretary for her editing work and Trans Tech Publications for producing the volume.

Conference Organizers

Cracow University of Technology,
Kielce University of Technology,
Polish Society for Stereology