

Preface

This volume of proceedings includes the selected papers presented at the 8th International Conference: Innovative Technology for Joining Advanced Materials (TIMA 16) held in Timisoara, Romania, during June 2 - 3, 2016. The conference takes place every two years and is traditionally organized by the National R&D Institute for Welding and Material Testing, ISIM Timisoara in cooperation with the “Politehnica” University of Timisoara and the Timisoara Branch of the Romanian Academy of Technical Science, with the support of the Romanian National Authority for Scientific Research and Innovation – ANCSI and other sponsors.

The conference aims to provide a platform for useful interaction on actual problems in the field of advanced materials joining and testing procedures. A particular attention was given to practical problems coming from the industry. The event brought together researchers from institutes and universities from different countries in order to discuss on the following actual topics:

- New joining technologies
- Coatings: advanced materials & innovative technologies
- Modelling and simulation of welding and allied processes
- Specific problems in advanced materials joining
- Quality of welded joints and welded structures.

The volume includes 29 selected papers, in which the authors reveal the results of their own research and development activity, carried out in the frame of their institutes and universities from Romania, Serbia, Czech Republic, Hungary and Ukraine.

We would like to thank all the authors who have contributed to this volume and also to the Organizing Committee, reviewers, speakers, chairpersons, sponsors and all the conference participants for their support for a successful scientific meeting.

Editor,

Dr. Eng. Alin Constantin MURARIU

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