

Preface



This anniversary supplement volume of proceedings includes the selected papers presented at the 11th International Conference: Innovative Technology for Joining Advanced Materials - TIMA20 held in Timișoara, Romania, by video conference, during November 26-27, 2020. The conference takes place every year and is traditionally organized by the National R&D Institute for Welding and Material Testing - ISIM Timișoara in cooperation with Politehnica University Timișoara and Romanian Academy of Technical Science, Timișoara Branch.

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

- New joining technologies;
- Materials coatings;
- Modelling and simulation of welding processes;
- Specific problems in advanced materials joining;
- Advanced methods and new trends in non-destructive testing;
- Mechanical and structural characterization of advanced materials and joints;
- Damage of advanced materials under time-dependent-actions and remaining life assessment, fatigue, creep, corrosion, irradiation;
- Quality of welded joints and welded structures.

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

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

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