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# **Advances in Welding Process and Materials**

Guest Editors:

# Dr. Cosmin Codrean

Mechanical Faculty, Politehnica University of Timşoara, Bd. MihaiViteazu Nr.1, 300222 Timişoara, Romania

#### Dr. Anamaria Feier

Materials and Manufacturing Engineering Department, Politehnica University Timişoara, Bd. Mihai Viteazu Nr. 1, 300222 Timişoara, Romania

#### Dr. Carmen Opriş

Department of Materials and Manufacturing Engineering, Polytechnic University of Timisoara, 300222 Timişoara, Romania

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### Message from the Guest Editors

Dear colleagues,

Welding and joining these new materials present a major challenge to engineers and technicians involved in product design and manufacturing. Therefore, new materials research should be conducted hand in hand with work on weldability and joining capacity aspects, as well as the development of new welding techniques.

The aim of this Special Issue is to provide a platform for researchers from all over the world to present their research results and development activities in the field of welding and joining of both advanced and conventional engineering materials.

In this Special Issue, research areas may include (but are not limited to) the following:

- New joining technologies.
- Quality of welded joints and welded structures.
- Modeling and simulation of welding processes.
- Specific problems in advanced materials joining.
- Mechanical and structural characterization of advanced materials and joints.
- Engineering applications of surface coatings.
- Damage to metal and non-metal structures.

Dr. Cosmin Codrean Dr. Anamaria Feier Dr. Carmen Opriș *Guest Editors* **Specials**ue





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## **Editor-in-Chief**

#### Prof. Dr. Maryam Tabrizian

 Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

### Message from the Editor-in-Chief

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*Materials* Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/materials materials@mdpi.com X@Materials\_Mdpi