

## Venue

Univ. Politehnica Timisoara (UPT), Central Library  
4 Bulevardul Vasile Pârvan, Timisoara, Romania

**& Online**

<http://library.upt.ro/>

<http://www.siramm.unipr.it/Events.htm>



## Workshop Fees

Participation in the workshop is **free!**

**Book of Abstracts** and **Coffee breaks** are included!

A limited number of places are available!

## Prospective Key Dates

Registration & submission of abstracts: 15 January 2021

Confirmation to Authors: 20 February 2021

Preliminary Program: 23 February 2021

Submission of papers: 31 March 2021

## Workshop chairmen:

Prof. Liviu Marsavina - Univ. Politehnica Timisoara, Romania

Prof. Roberto Brighenti – Univ. of Parma, Italy

Prof. Filippo Berto - Norwegian Univ. of Science and Tech., Norway



H2020-WIDESPREAD-2018, Grant No. 857124



1<sup>st</sup> Workshop on

# Structural Integrity of Additively Manufactured Materials



Polytechnical University of Timisoara (UPT),  
Timisoara, Romania, 25-26 February 2021

*the workshop will be held in presence & online*

## About The Workshop

The workshop on **Structural Integrity of Additively Manufactured Materials** (SIAMM21) to be held in Timisoara, 25-26 Feb. 2021, is one of the main activities of the European Twinning Project **SIRAMM**, funded by the European Union's Horizon 2020, H2020-WIDESPREAD-2018-03, under the grant agreement No. 857124.

The general aim of the workshop is to promote international collaboration and share the current knowledge on the structural integrity of additively manufactured materials and the related disciplines. Of particular interest is the understanding of the role of the AM printing conditions and parameters on the final reliability and safety of AM materials, especially those to be used in load bearing applications. The workshop is open to any contribution addressing the problem of characterizing AM materials for traditional as well as for advanced applications in a broad range of technological fields such as biomechanics, electronics, engineered materials, metamaterials, etc.

Presentations addressing the following topics are particularly welcome:

- AM and 3D printing technology
- Fatigue of AM materials
- Simulation of AM processes
- Structural integrity assessment of AM materials
- Testing of AM materials
- Theoretical and numerical models for AM materials

All materials are concerned, particularly: metals and alloys, ceramics, polymers, gel, biomaterials, sintered materials

## Workshop Proceedings

Authors will be invited to submit the papers for publication in a peer reviewed special issues of the open access journal

***Material Design & Processing Communications***

(Wiley, indexed in Scopus).

## Scientific Committee

- **F. Auricchio**, University of Pavia, Italy
- **A. Grbovic**, University of Belgrade, Serbia
- **E. Linul**, Univ. Politehnica Timisoara, Romania
- **L. Nahlik**, Institute of Physics of Materials Brno, Czech Republic
- **R. M. Negru**, Univ. Politehnica Timisoara, Romania
- **A. Sedmak**, University of Belgrade, Serbia
- **D. A. Şerban**, Polytechnical Univ. of Timisoara, Romania
- **A. Spagnoli**, University of Parma, Italy
- **D. I. Stoia**, Univ. Politehnica Timisoara, Romania

## Accommodation

In Timisoara there are plenty of possibilities for accommodation. Please refer to <http://hoteltimisoara.ro/> for more info.

Affordable accommodation are provided by the UPT hotels:

- Casa Casa Politehnicii 1

[https://www.upt.ro/Informatii\\_casa-politehnicii-1\\_273\\_ro.html](https://www.upt.ro/Informatii_casa-politehnicii-1_273_ro.html)

- Casa Casa Politehnicii 2

[https://www.upt.ro/Informatii\\_casa-politehnicii-2\\_413\\_ro.html](https://www.upt.ro/Informatii_casa-politehnicii-2_413_ro.html)

- Hotel Perla <http://hotelperla.ro/>

## Registration (Conference Office)

For registration & info please send an email to:

Prof. Liviu Marsavina: [liviu.marsavina@upt.ro](mailto:liviu.marsavina@upt.ro)

University Politehnica Timisoara,

Department of Mechanics and Strength of Materials

Blvd. M. Viteazu, No. 1, Timisoara 300222, Romania

or to the SIRAMM staff: [SIRAMM.Twin@gmail.com](mailto:SIRAMM.Twin@gmail.com)

## Winter school

Before the Workshop, Winter School on:

**Trends on Additive Manufacturing for Engineering Applications**

at the Polytechnical Univ. of Timisoara (UPT) & Online

Romania, **24-28 Jan. 2021**.

Participation in the winter school is **free** (max 30 places).

For more info, contact the Project staff: [SIRAMM.Twin@gmail.com](mailto:SIRAMM.Twin@gmail.com)