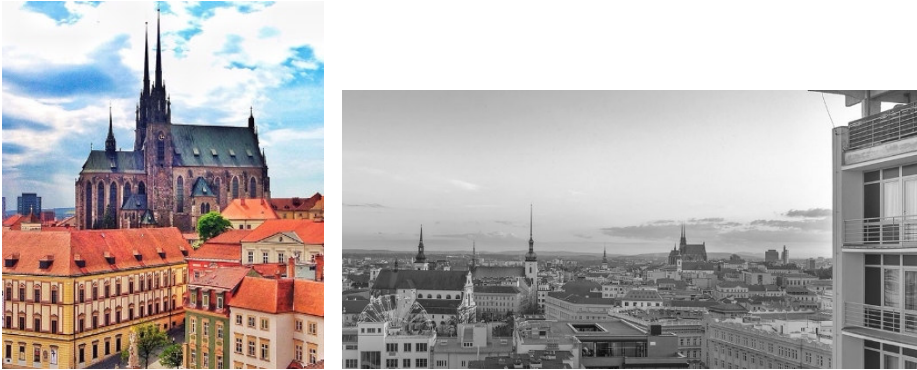


## Venue

Continental Hotel Brno  
Kounicova 6, 602 00, Brno, Czech Rep. & online  
<http://www.siramm.unipr.it/Events.htm>



## Workshop Fees

Participation in the workshop is free!

Book of Abstracts, coffee breaks and lunches are included!

A limited number of places is available!

## Prospective Key Dates

Registration & submission of abstracts:	25 January 2022
Confirmation to Authors:	30 January 2022
Preliminary Program:	02 February 2022
Submission of papers:	31 March 2022

## Workshop chairmen:

Prof. Roberto Brighenti – Univ. of Parma, Italy  
Prof. Liviu Marsavina - Univ. Politehnica Timisoara, Romania  
Prof. Lubos Nahlik - Institute of Physics of Materials, Brno, Czech Rep.



H2020-WIDESPREAD-2018, Grant No. 857124



# 2<sup>nd</sup> Workshop on Structural Integrity of Additively Manufactured Materials

# SIAMM22

*Hotel Continental, Brno*

Brno, Czech Rep., 4<sup>th</sup> -5<sup>th</sup> February 2022

Organized by



Institute of Physics of Materials (IPM)  
Czech Academy of Sciences

*the workshop will be held in presence & online*

## About The Workshop

The workshop on **Structural Integrity of Additively Manufactured Materials** (SIAMM22) to be held in Brno, 4<sup>th</sup> -5<sup>th</sup> Feb. 2022, 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 of selected presentations will be invited to submit their papers to a special issues of the ***Journal of Mechanical Science and Technology*** (JMST, Springer, IF 1.734)

Submitted papers will undergo a regular review process before publication



## Scientific Committee

G. Alaimo, University of Pavia, Italy  
F. Auricchio, University of Pavia, Italy  
M. Carraturo, University of Pavia, Italy  
A. Grbovic, University of Belgrade, Serbia  
D. Koutny, Brno University of Technology, Brno, Czech Republic  
L. Kunz, Institute of Physics of Materials Brno, Czech Republic  
E. Linul, Polytechnic Univ. of Timisoara, Romania  
M. Milosevic, University of Belgrade, Serbia  
S. Morganti, University of Pavia, Italy  
L. Nahlik, Institute of Physics of Materials Brno, Czech Republic  
R. M. Negru, Polytechnic Univ. of Timisoara, Romania  
A. Sedmak, University of Belgrade, Serbia  
D. A. Şerban, Polytechnic Univ. of Timisoara, Romania  
A. Spagnoli, University of Parma, Italy  
D. I. Stoaia, Polytechnic Univ. of Timisoara, Romania

## Accommodation

In Brno there are plenty of possibilities for accommodation. Please refer to [this website](#) for more info about accommodation for students

## Registration (Conference Office)

For registration & info please send an email either to:

Dr. Michal Zouhar: [zouhar@ipm.cz](mailto:zouhar@ipm.cz)

Prof. Roberto Brighenti: [brigh@unipr.it](mailto:brigh@unipr.it)

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

## Winter school

After the Workshop, 2<sup>nd</sup> Winter School on:

### Trends on Additive Manufacturing for Engineering Applications

at the Institute of Physics of Materials (IPM), Brno, Czech Rep. & Online  
**6<sup>th</sup> -10<sup>th</sup> February 2022.**

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

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