

Venue

Institute of Physics of Materials ([IPM](http://www.ipm.cz))
Zizkova 513/22, 616 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: 21 January 2022

Confirmation to Authors: 25 January 2022

Preliminary Program: 01 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



2nd Workshop on Structural Integrity of Additively Manufactured Materials

SIAMM22

Hotel Continental, Brno

Brno, Czech Rep., 4th -5th 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, 4th-5th 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
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R. M. Negru, Polytechnic Univ. of Timisoara, Romania
A. Sedmak, University of Belgrade, Serbia
D. A. Șerban, Polytechnic Univ. of Timisoara, Romania
A. Spagnoli, University of Parma, Italy
D. I. Stoia, 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

Prof. Roberto Brighenti: brigh@unipr.it

or to the SIRAMM staff: SIRAMM.Twin@gmail.com

Winter school

After the Workshop, 2nd Winter School on:

Trends on Additive Manufacturing for Engineering Applications

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

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

For more info, contact the Project staff: SIRAMM.Twin@gmail.com