Venue

Faculty of Mechanical Engineering,
University of Belgrade (UBG)
Kraljice Marije 16, **Belgrade**, Serbia (Google map) & online
https://www.mas.bg.ac.rs/eng/start
https://www.siramm.unipr.it/Workshop_RdAMM22.htm

Conference Fees

Participation in the conference is free!
Book of Abstracts, Coffee breaks and lunches are included!
A limited number of places is available! (max 90)

Prospective Key Dates

Registration & submission of abstracts:	20th Sept. 2022
Confirmation to Authors:	25th Sept. 2022
Preliminary Program:	30th Sept. 2022
Submission of papers:	30th Nov. 2022

Conference chairmen:

Prof. Roberto Brighenti - Univ. of Parma, Italy
Prof. Aleksandar Sedmak - Univ. of Belgrade, Serbia
Prof. Liviu Marsavina - Univ. Politehnica Timisoara, Romania

SIRAMM
H2020-WIDESPREAD-2018, Grant No. 857124
European Commission

3rd International Workshop on

Reliability and Design of Additively Manufactured Materials

RdAMM22

Faculty of Mech. Eng., Univ. of Belgrade
Belgrade, Serbia, 4th-6th October 2022

the international workshop will be held in presence
& online

https://www.siramm.unipr.it/Workshop_RdAMM22.htm

About The Workshop

The international workshop on **Reliability and Design of Additively Manufactured Materials (RdAMM22)** to be held in Belgrade, 4th -6th October 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 international workshop is to promote international collaboration and share the current knowledge on the structural integrity and design 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
- Design of AM parts & process optimization
- Theoretical and numerical models for AM materials

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

Workshop Proceedings

Authors of selected presentations will be invited to submit their paper to a special Section of the

Journal of Mechanical Science and Technology

(Springer, IF **1.810**)

Scientific Committee

F. Berto, Norwegian Technical Univ. of Technology, Norway
S. Galatanu, Polytechnic Univ. of Timisoara, Romania
C. Gao, Norwegian Technical Univ. of Technology, Norway
A. Grbovic, University of Belgrade, Serbia
E. Linul, Polytechnic Univ. of Timisoara, Romania
M. Milosevic, University of Belgrade, Serbia
L. Nahlik, Institute of Physics of Materials Brno, Czech Republic
J. Razavi, Norwegian Technical Univ. of Technology, Norway
A. Sedmak, University of Belgrade, Serbia
A. Spagnoli, University of Parma, Italy
D.I. Stoia, Polytechnic Univ. of Timisoara, Romania

Accommodation

In Belgrade there are plenty of possibilities for accommodation.
For more details please visit the University of Belgrade website:
https://www.mas.bg.ac.rs/eng/accommodation/start

Registration (Conference Office)

For registration please fill the Online form

Forthcoming winter school

3rd Winter School on: **Trends on Additive Manufacturing for Engineering Applications** - https://www.siramm.unipr.it/Events.htm
Faculty of Mechanical Engineering, Univ. of Belgrade, Serbia & Online
February 2023 (exact dates to be defined).
Participation in the winter school is free (max 30 places available).

If you have any question, please send an email to the SIRAMM staff:
SIRAMM.Twin@gmail.com