

NEWSLETTER 05

H2020-WIDESPREAD-2018, Project No. 857124

December 2022

Main events:

3rd International Workshop on

Reliability and Design of Additively Manufactured Materials - RdAMM22

organized at Faculty of Mechanical Engineering, University of Belgrade & online, 4th - 6th October 2022

⇒ 3 keynote lectures:

Sigmund Arntsønn Tronvoll (NTNU Trondheim, Norway)
Understanding FFF extrusion dynamics and characteristics

David Melancon (Polytechnique Montréal, Canada)
3d-printing metal is hard: the role of manufacturing imperfections in the design of high-strength porous biomaterials to replace bone tissue

Svetozar Kolaser (3D Republik, Serbia)
Wire-Laser Metal 3D Printing. A disruptive directed energy deposition technology by Meltio

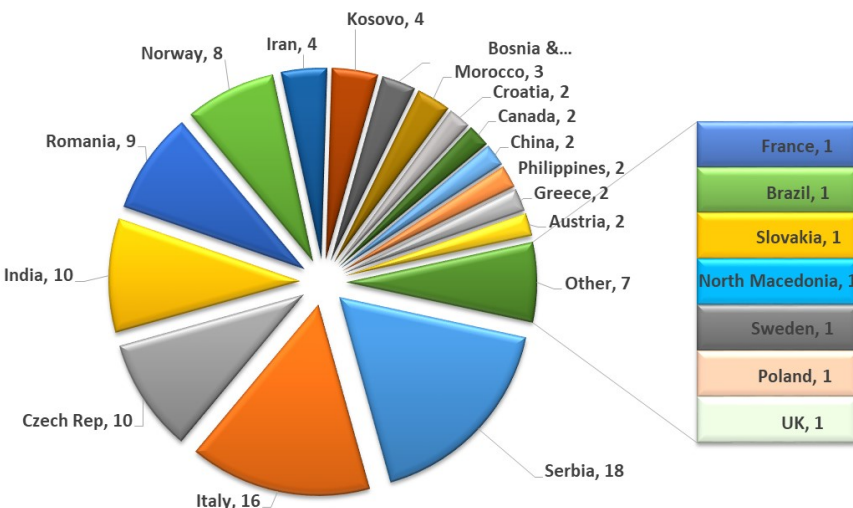


U. Belgrade, 4th October 2022

⇒ 5 sessions (with 37 presentations):

1. Characterization of AM polymer-based materials
2. Modelling, simulation and testing of AM materials and processing
3. Characterization of AM metallic materials
4. Properties and models of AM materials and metamaterials
5. Applications & advancements in AM materials and structures

Selected papers submitted to a Special Issue of Journal of Mechanical Science and Technology (Springer journal, IF=1.713)



104 participants from 22 countries



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Communication Activities of the SIRAMM project

[Poli Kids Fest](#), Timisoara & Open day at Faculty of Mechanical Engineering, University Politehnica Timisoara, Romania, 1st & 2nd June 2022



[European Researchers Night](#), Seismologic Observatory, Timisoara, Romania, 1st October 2022



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Communication Activities of the SIRAMM project

Opening of new academic year, 24 September 2022, Timisoara in collaboration with ZF and Mahindra Racing (Formula e)



Colleges Fair, Arad, 4 October 2022



Alter School, Timisoara, 7 October 2022



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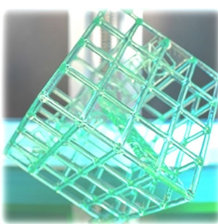
Forthcoming Events

⇒ 3rd Winter School on:

[Trends on Additive Manufacturing for Engineering Applications](#)

Faculty of Mechanical Engineering, Univ. of Belgrade, Serbia

Dates: 5th - 9th February 2023



⇒ Final International Conference on:

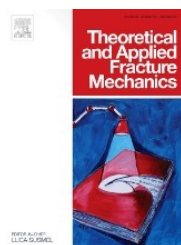
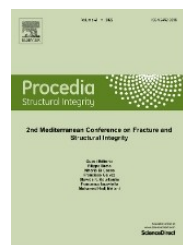
[Structural Integrity and Reliability of Advanced Materials obtained through Additive Manufacturing - SIRAMM23](#)

Central Library, Polytechnic Univ. of Timisoara (UPT), Romania

Dates: 8th - 11th March 2023



Conference proceedings will be published in *Procedia Structural Integrity* (Elsevier). Selected papers will be submitted to a special issue of the Journal *Theor. & Appl. Fract. Mech.* (Elsevier, IF 4.374) or to a special issue of the J. *Bioengineering* (MDPI, IF 5.046)



Contact Us

Contact us for more information about our project

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www.sirammm.unipr.it

Participation in all Events is free! However, a limited number of places is available and registration is required.

More information about future events on:

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

<https://www.facebook.com/SIRAMM2020>

<https://twitter.com/SIRAMM1>

SIRAMM for better, safe and durable AM components!