

Time Table (CET, Rome, Paris, Prague)

	Feb 6 Sunday	Feb 7 Monday	Feb 8 Tuesday	Feb 9 Wednesday	Feb 10 Thursday
		9:00 – 10:00 1st lecture (IPM & online) Prof. Livia Mausavina Presentation of the SIRAMM project	9 th lecture (online) Prof. Donato Errico Prof. Filippo Berto Prof. Francesco Iacoviello "Additive manufacturing in metals and defects: a challenging topic"	10 th lecture (online) Prof. Javad Razavi "Fatigue life extension by crack repair"	12 th lecture (IPM & online) Prof. Roxana Ghila "Gender imbalance in science and engineering – a cross-cultural perspective"
		10:00 – 11:00 2nd lecture (online) Prof. Snezana Kirin "Statistical methods for evaluating the experimental data obtained by testing AMM"	6 th lecture (online) Dr. Marco Maurizi "Data-driven approaches for modeling and design of additive manufactured architected materials"	11 th lecture (IPM & online) Dr. Jan Cizek "Cold spray Additive Manufacturing"	13 th lecture (IPM & online) Prof. Marjan Janek "Additive manufacturing of bioactive personalised hard tissue replacements" Prof. Lubos Bicka "Opportunities and challenges in the fused deposition modeling of ceramics"
		11:00 – 11:30 Break (IPM)	Break (IPM)	Break (IPM)	Break (IPM)
		11:30 – 12:30 3rd lecture (IPM & online) Dr. Jaroslav Kovack "Cross-properties in Carbon/graphite composites and aluminum foams and their applicability to Additive Manufacturing of materials"	7 th lecture (online) Prof. Florian Arbetter "Mechanical properties of layered polymers produced via extrusion-based additive manufacturing"	Practical session 1 (IPM & online) Advanced testing	Final exam (IPM & online)
		12:30 – 14:30 Lunch	Lunch	Lunch	Lunch
	14:30 – 16:30 Welcome reception & registration (IPM)	14 th lecture (online) Dr. Francesco Puzello "Additive Manufacturing from prototype to mass customization: a new industrial revolution. Challenges in AM production"	8 th lecture (online) Dr. S. Tavernini (*) "The Marie Skłodowska-Curie Actions in Horizon Europe, with a special focus on postdoctoral fellowship"	Practical session 2 (IPM & online) Brno Univ. of Tech 3D printers for metals	14:30 – 15:30 Discussion session (IPM & online) Research, future perspectives and international collaborations on AM in engineering
	16:30 – 17:00 Opening of the winter school (IPM & online):	16:00 – 17:00 Presentation of some participants' backgrounds and current activities (IPM & online)	9 th lecture (online) Prof. Chao Gao "Structural integrity of Additive Manufactured Components – Introduction to AM or polymer component"	(*16:00 – 17:00 (IPM & online) Dr. S. Tavernini will be available to discuss and answer questions by the winter school attendees on research funding and related tips.	15:30 – 16:00 Closing of the winter School (IPM & online)



H2020-WIDESPREAD-2018, Grant No. 857124



2nd Winter School on

Trends on Additive Manufacturing for Engineering Applications



Institute of Physics of Materials (IPM)

Brno, Czech Republic, 6th-10th February 2022

in presence & online

Winter school info

The 2nd winter school on **Trends on Additive Manufacturing for Engineering Applications** will be held in Brno, 6-10 February 2022. The main aim of the Winter School is to involve PhDs and young researchers in the field of AM with an engineering perspective. The winter school is an annual key activity 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 winter school will consider both scientific aspects concerning Additive Manufacturing as well as soft skills in research such as scientific and grant proposal writing, gender aspects, etc. Practical sessions concerning designing, manufacturing and testing of 3D-printed objects will be organized.

Venue

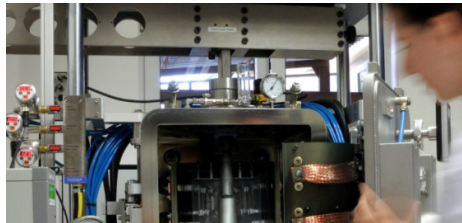
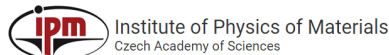
The winter school will be held at the

[Institute of Physics of Materials](http://www.ipm.cz)

(Czech Academy of Sciences, IPM),

Zizkova 513/22, 616 00 Brno, Czech Rep. & Online

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



Winter school Fees

Participation in the winter school is free!

Lunches and coffee breaks will be included

A limited number of places is available (max. 30)

The selection process for participating to the winter school will be based on the participant's country, with a preference for east European countries. Participation of PhDs, post-docs and young researchers as well as women will be especially preferred. Gender equality and equal opportunities will be key-aspects in the selection of the participants.

Prospective Key Dates

Registration: 31st January 2022

Confirmation to participants: 3rd February 2022

Lectures

All lectures will be given in English.

Speakers

Prof. Liviu Marsavina, UPT Timisoara, Romania

Prof. Snezana Kirin, Univ. of Belgrade, Serbia

Dr. Jaroslav Kovacik, Institute of Materials and Machine Mech., Slovak Academy of Sciences SAS, Slovakia

Dr. Francesco Puzello, BI-REX - Big Data Innovation & Res. Excellence, Italy

Prof. Donato Firrao, Polytechnic Univ. of Turin, Italy

Dr. Marco Maurizi, NTNU Trondheim, Norway

Dr. Florian Arbeiter, Montanuniversitaet Leoben, Austria

Dr. Silvia Tavernini, Univ. of Parma, Italy

Prof. Chao Gao, NTNU Trondheim, Norway

Prof. Javad Razavi, NTNU Trondheim, Norway

Dr. Jan Cizek, Czech Academy of Sciences, Prague, Czech Rep.

Dr. Roxana Ghita, UPT Timisoara, Romania

Prof. Marian Janek, Slovak University of Technology, Slovakia

Dr. Lubos Baca, Slovak University of Technology, Slovakia

Accommodation

In Brno there are plenty of possibilities for accommodation.

Please refer to [this website](#) for more info about accommodation for students. Other possibilities:

[Sono Hotel](#)

[Hotel University Brno](#)

[A-Sport Hotel](#)

Registration (Winter School Office)

For registration please send an email either to:

- Dr. Michal Zouhar: zouhar@ipm.cz

- Prof. Roberto Brighenti: brigh@unipr.it

- SIRAMM staff: SIRAMM.Twin@gmail.com

or fill the [online form](#)

ECTS credits

3 ECTS will be recognized for the participation (for at least 70% of the lectures) to the winter school. **2 more ECTS** will be recognized upon the positive evaluation of the final assessment test.