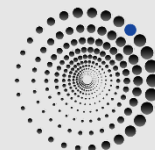


Discover **new research opportunities**

# AGENDA GUIDE

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Honorary board  
Media partners  
Keynote speakers  
Program  
Opening  
Keynote lectures  
Water Jet Session  
3D Session  
Materials and Manufacturing  
Networking

**ICMEM 2023 | NATURE FIRST**  
International Conference on Manufacturing Engineering and Materials  
26.06 - 30.06 2023, **Nový Smokovec, Hotel Atrium, Slovakia**  
[www.icmem2023.eu](http://www.icmem2023.eu)



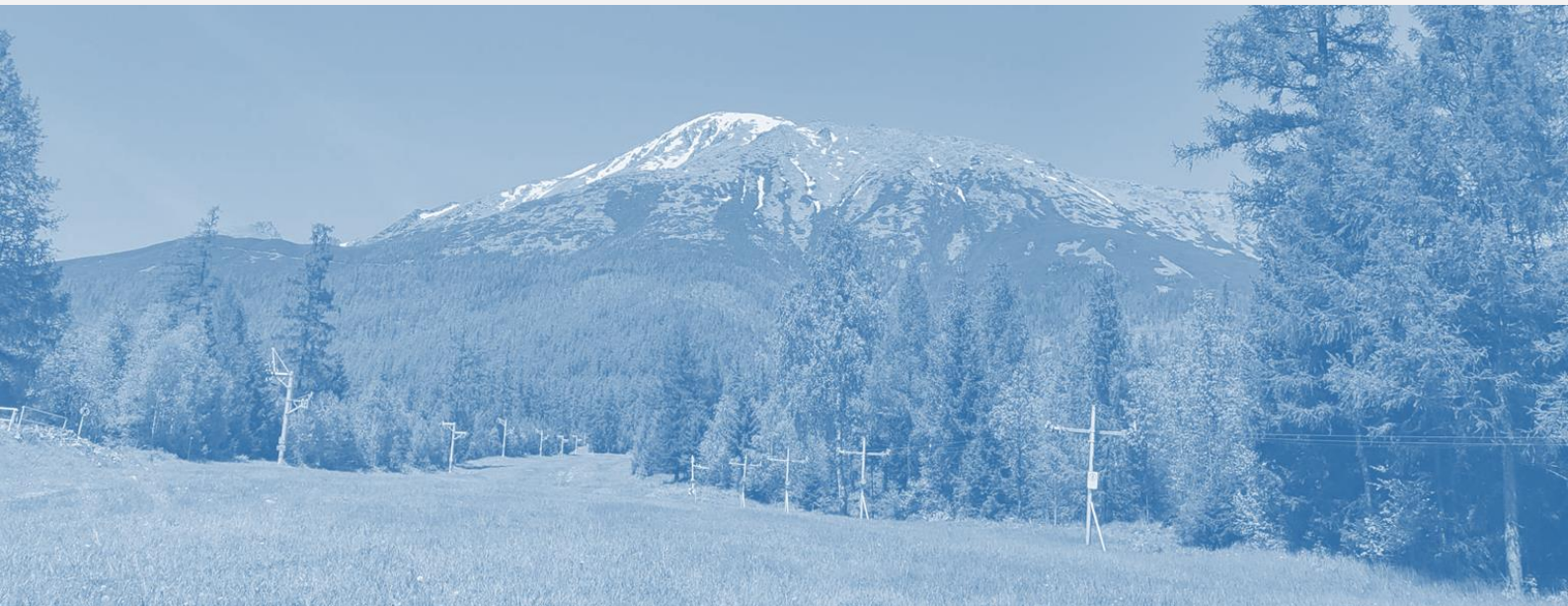
ICMEM 2023

Ladies and gentlemen, distinguished guests, fellow speakers, dear Friends,

after one year of preparation of this event I'm very happy to act as a chair of the conference and to address such a distinguished audience. It is my great pleasure and honour to welcome you all to the event which will be devoted not only Manufacturing Engineering and Materials, which covers a wide range of topics such as advanced manufacturing processes, exotic and smart materials, additive manufacturing, nanotechnology, robotics, sustainability.

These topics are not only relevant for the scientific community, but also for the society as they have the potential to improve the quality of life, enhance the competitiveness and address the global challenges to be resolved prior the future generations.

We will together explore possibilities devoted above mentioned issues through keynote speeches, professional sessions, and poster presentations. We hope that this conference will inspire you to reflect on your own practices and experiences to share your insights and ideas with your colleagues and friends. We also hope that this conference will foster a dialogue between academics, policymakers, practitioners, and students on how to strengthen the social responsibility of the universities. How to resolve the problem not to only to provide market-oriented research, but also how to affect the spiritual and moral life of the society.





# International Conference 2023 Foreword

This conference aims to provide a platform for exchanging ideas, sharing experiences, presenting research results and fostering collaborations among the participants. We have received abstracts from 17 countries, which have been peer-reviewed by our esteemed program committee members. We have also invited 6 keynote speakers who are renowned experts in their fields to share their insights and visions with us. I hope you will find the program stimulating, informative and inspiring.

I would like to take this opportunity to thank our sponsors, partners, organizers and volunteers for their generous support and hard work in making this conference possible. I would also like to thank all the authors, reviewers, speakers and attendees for their valuable contributions and participation. Without you, this conference would not be a success.

I hope you will enjoy this conference and you will have a fruitful and memorable experience. I also hope you will take some time to explore this beautiful nature in High Tatras. I wish you to all a pleasant conference during exploration of your research possibilities woven in the spirit of friendship and understanding.

Sergej Hloch  
Conference Chair



### Highlights

- Extra - Terrestrial Manufacturing
- (Un)conventional manufacturing technologies.
- Materials characterization.
- Preservation of the environment and natural resources.
- Visions to rationalize of manufacturing processes.
- Competitiveness in industry.
- Industry 4.0
- Environmental footprint.

### Who We Are

We are a passionate group of researchers dealing with advanced manufacturing, material processing and material characterization. We do not ignore the current challenges related to environmental situation, that challenges us to deliver new knowledge which can be key part of the jigsaw of activities that will help towards sustainable manufacturing and engineering in Earth and Extra Terrestrial conditions.



International Conference **2023** Sponsored by



### Protolab 3D Printing Centre

Protolab was founded with the idea of enabling small and medium-sized companies to access modern prototyping technologies and thus enable them to compete not only within the region but also on a European or global level. Cutting-edge technologies for industrial 3D printing are very expensive and out of reach for many SMEs.



We are one of the leaders on the Czech and Slovak market in the field of laboratory equipment, and we have been providing our customers with top-quality instruments in the field of analytical chemistry and physical measurements for more than 30 years.



# International Conference **2023** Honorary Board



**Dr. h. c. mult. prof. Ing. Jozef Zajac, CSc.**

Dean of Faculty of Manufacturing Technologies, TUKE



**prof. Ing. Robert Čep, CSc.**

Dean of Faculty of Mechanical Engineering, VŠB-TUO



**prof. Dr. sc. Ivan Samardžić**

Rector of University of Slavonski Brod



**prof. Dr. sc. Aleksandar Sedmak**

President of European Structural Integrity Society



**prof. Dr. Frank Pude**

Inspire ETH Zurich



**prof. dr. hab. Grzegorz Królczyk**

Vice Rector for Science and Development, Opole University of Technology

## Organised by



### **Faculty of Manufacturing Technologies**

Faculty of Manufacturing Technologies, Technical University of Košice with a seat in Prešov, Slovakia



### **Faculty of Mechanical Engineering**

Faculty of Mechanical Engineering, VSB-TUO, Ostrava, Czech Republic



### **University of Slavonski Brod**

Mechanical Engineering Faculty in Slavonski Brod, JJ Strossmayer University of Osijek, Croatia



### **Institute of Physics of Materials**

Institute of Physics of Materials Czech Academy of Sciences, Brno, Czech Republic



### **Institute of Geonics**

Institute of Geonics of the Czech Academy of Sciences, Ostrava - Poruba, Czech Republic



### **Faculty of Engineering**

Faculty of Engineering, Czech University of Life Sciences, Prague, Czech Republic



### **Opole University of Technology**

Opole University of Technology, Poland



### **DHBW**

Baden-Wuerttemberg Cooperative State University, Lorrach, Germany



### **Steinbeis Waterjet**

Consulting Center High-Pressure Waterjet Technology, Germany





**Jan-Arne Gewert**

CEO, Gewert Consulting



**Jan Olaf**

Professor, DHBW



**Frank Pude**

Professor, Inspire AG (ETH Zurich)



**Dražan Kozak**

Professor, University of Slavonski Brod



**Stanislava Fintová**

Associate Professor, IPM



**Vidosav Majstorović**

Professor, University of Belgrade



**Jan-Arne Gewert**

CEO Gewert Consulting

**Only fools stretch the rules? Why people might comply to rules or ignore them!**

- Dr. Jan-Arne Gewert as Entrepreneur of the Year and successful Managing Director of mid-size enterprises.
- Since 2015 he consults managers in economy and research in questions of business as well as strategy development.
- He is a member of the Federal Association of German Management Consultants and Ambassador of the Global-Ethic Institute.



**Jan Olaf**

Professor DHBW

**Environmental footprint in distributed manufacturing using 3D printers.**

- Transformation of manufacturing "value chains" towards "value networks" by introducing means of industrial internet of things (IIoT) & Industry 4.0.
- Networks need to be secured regarding both, IT and intellectual property using distributed ledger technologies.
- IT effort can transform product logistics to data logistics making it ecologically advantage.



**Frank Pude**

Professor, Inspire AG (ETH Zurich)

**Quality Assurance Procedures for "Make – in – Space – for – Space".**

- The near future will require technologies that will enable manufacturing things in space - for use in space.
- Must be safe and eliminate any risk that may arise from inadequate manufacturing, instabilities in the manufacturing process.
- need to establish quality control procedures in space that can either control the manufacturing process itself or generate quality data after the manufacturing process.





**Dražan Kozak**

Professor,  
University of Slavonski Brod

### Optimization of lattice structure with nTopology software.

- The main emphasis of using lattice structures is to achieve a high strength-to-weight ratio by reducing the mass as much as possible.
- The topology optimisation of a gyroid cantilever beam with a rectangular cross-section will be presented by numerical calculation in the software nTopology.
- The mass was reduced by 23% in comparison to a solid beam. Optimising the stress distribution along the length of the beam the mass was additionally reduced for 14%.



**Stanislava Fintová**

Associate Professor, IPM

### Impact of surface state on fatigue characteristics of Ti in medical applications.

- Main focus on the relationship between the structure and fatigue properties of advanced materials for engineering and biomedical applications.
- Characterization of the influence of grain refinement in bulk by severe plastic deformation methods.
- Surface treatment via shot peening and severe shot peening, sandblasting, etching, coating and also 3D printing.



**Vidosav Majstorović**

Professor,  
University of Belgrade

### Production management practice in Industry 4.0 model.

- Published over 550 papers, more than 320 are in international journals, collections of international Conferences and books.
- Main topics: Quality Management, Manufacturing Metrology, Industry 4.0, AI.
- Member of CIRP (International Institution for Production Research), Paris; IFIP (International Federation for Information Processing), Geneva; IFAC (International Federation for Automation and Control), Vienna.

# International Conference **2023** Program

26<sup>th</sup> June 2023

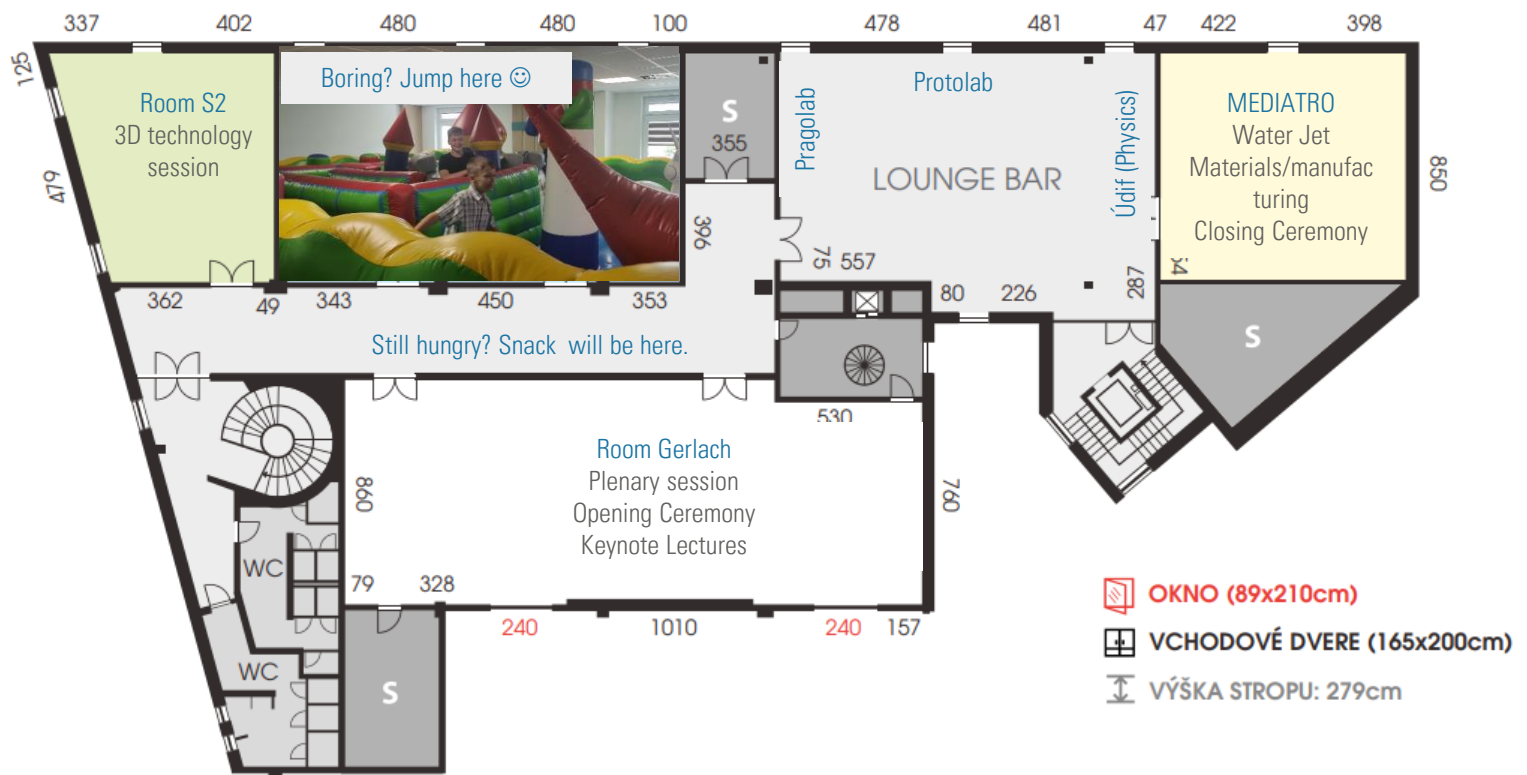
27<sup>th</sup> June 2023

28<sup>th</sup> June 2023

29<sup>th</sup> June 2023

30<sup>th</sup> June 2023

7:00	Breakfast			
8:30	Atrium Restaurant			
9:00	<b>Opening Ceremony</b>			
9:15	Room Gerlach			
9:15	<b>Keynote Lectures</b>	<b>Materials/Manufacturing</b>		
10:30	Room Gerlach		Room Mediatro	
10:30	Coffee Break (Experiments)			Networking
10:45	Check out			
10:45	<b>Keynote Lectures</b>	<b>Materials/Manufacturing</b>		
12:30	Room Gerlach		Room Mediatro	
12:30	<b>Lunch</b>			
14:00	Atrium Restaurant			
14:00	<b>WaterJet/3D</b>	<b>Materials/Manufacturing</b>		
15:30	Room Mediatro/S2		Room Mediatro	
15:30	Coffee Break (Experiments)			Networking
16:00	<b>Registration</b>			
16:00	<b>WaterJet/3D</b>		Networking	
18:00	Room Mediatro/S2			
19:00	Warm up - Dinner	Gala Dinner	Dinner	Dinner
22:00	Atrium Restaurant	Atrium Terrace	Atrium Restaurant	Atrium Restaurant



International Conference **2023 - 26<sup>th</sup> June**

15:30 – 18:00 Registration



15:30 – 18:00 Accommodation



18:00 – 22:00 Get-together Dinner Atrium restaurant. First floor.





## Opening Ceremony | Room Gerlach

🕒 9:00 – 9:15  
Welcome Speeches

**Sergej Hloch** | General Chair  
**Dražan Kozak** | Rector's Assistant for Quality Assurance, University of Slavonski Brod

## Keynote Lectures

🕒 9:15 – 10:30 | Room Gerlach  
Moderator: Sergej Hloch, Dražan Kozak

[Technical note]  
Presentation length is 25 minutes +5 minutes Q&A session.

<b>Jan-Arne Gewert</b> Gewert Consulting, Weil am Rhein	Only fools stretch the rules?	DE
<b>Frank Pude</b> Steinbeis Consulting center High-Pressure Waterjet Technology	Potential Quality Assurance Procedures for "Make-in-Space-for-Space"	DE
<b>Stanislava Fintová</b> IPM, Brno	Impact of surface treatment on fatigue characteristics of Ti in medical applications	CZ

🕒 10:30 – 10:45

Coffee Break | Foyer

🕒 10:45 – 12:00

Keynote Lectures | Room Gerlach  
Moderators: Frank Pude, Stanislava Fintová

[Technical note]  
Presentation length is 20 minutes +5 minutes Q&A session.

<b>Jan Olaf</b> Baden-Wuerttemberg Cooperative State University Loerrach, Germany	Environmental Footprint in Distributed Manufacturing Using 3D Printers	DE
<b>Vidosav Majstorovic</b> University of Belgrade	Production management practice in Industry 4.0 model	RS
<b>Dražan Kozak</b> University in Slavonski Brod	Optimisation of the lattice structure with nTopology software	HR

🕒 12:15 – 12:30

Collective photo | In front of Hotel Atrium

🕒 12:30 – 13:30

LUNCH | Restaurant Hotel Atrium



ICMEM 2023

Andrea, Mihaljo, Nikolae, Kamil, Miorita, Kevin, Martin, Simon, Alexandru  
Nenad, Dagmar, Barбора, Dániel, Jozef, Srecko  
Ivana, Michal, Ján, Dagmar, Marek, Michal, Radoslaw, Ivan, Gabriel  
Jiří, Munish, Alice, Branislav, Dominika, Martin, Jan, Jan-Arne  
Giuseppe, Chiara, Lucia, Dominik, Robert, Nikita, Lenka, Siegfried  
Pavol, Dorota, Piotr, Dávid, Frank, Aleksandar, Jaroslava  
Witold, Vojtech, Viktor, Lucia, Dražan, Jan, Jozef, Klaudia  
Radoslaw, Janka, František, Jakub, Katarina, Mariusz, Simona  
Viktor, Peter, Gábor, Soňa, Denisa, Zuzana, Karolina  
Jana, Jozef, Vidosav, Adrian, Simon, Akash, Zayeem, Andrzej, Stanislava  
Ihor, Libor, Vladimír, Maximilian, Dominik, Zsolt, Ladislav, Mirjana  
Jan, Elzbieta, Jozef

**Water Jet Session**

🕒 13:45 – 15:30

**Water Jet Session | Room Mediatro**

Moderators: Michal Zeleňák, Jakub Poloprudský

| Technical note |  
Presentation length is 10 minutes +5 minutes Q&A session.

<b>Gabriel Stolárik</b> FMT TUKE	Surface treatment of titanium alloy using ultrasonic pulsating water jet	SK
<b>Alexandru Popan</b> TECHNICAL UNIVERSITY OF CLUJ-NAPOCA	Abrasive water jet piercing simulation of carbon fiber reinforced polymer	RO
<b>Akash Nag</b> VŠB - TUO	Estimation and comparison of hydrodynamic erosion resistance for 3D printed and casted AISI 316L samples	CZ
<b>Jakub Poloprudský</b> IPM Brno	Grain misorientation measurement as observation method of incubation erosion stage	CZ
<b>Nikita Biochun</b> FMT TUKE	Erosion resistance of metallic materials	UA
<b>František Botko</b> FMT TUKE	Machining of Monel 400 using AWJ with controlled depth of cut	SK
<b>Radoslav Vandzura</b> FMT TUKE	Study of Controlled Depth Milling with Abrasive Water Jet applied to additively manufactured material SS 316L	SK

🕒 15:15 - 15:45

**Discussion during Coffee Break | Foyer**

🕒 15:30 – 17:00

**Water Jet Session | Room Mediatro**

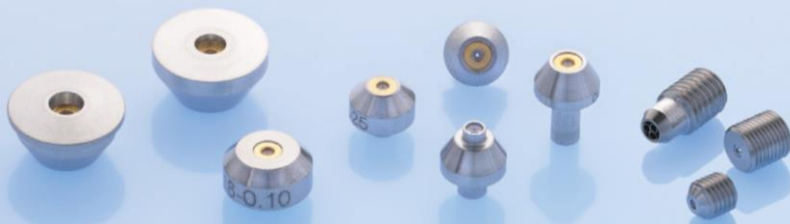
Moderators: Akash Nag, Jakub Poloprudský

| Technical note |  
Presentation length is 10 minutes +5 minutes Q&A session.

<b>Michal Polcer</b> VŠB - TUO	PMMA disintegration using nozzle with a tube extension in submerged conditions	CZ
<b>Dagmar Klichová</b> UGN CAS Ostrava	Surface Roughness Measurement - New ISO 21920 Series of Standards for Profile Surface Properties	CZ
<b>Fernando Kevin Miranda Cruz</b> UGN CAS Ostrava	Experimental and Numerical Visualization of Submerged High-Speed Water Jets and Cavitation Effects	CZ
<b>Michal Zeleňák</b> UGN CAS Ostrava	Methods for the Behavior Analysis of Continuous Flat Water Jet Structures	CZ
<b>Alice Chlupová</b> IPM Brno	Effect of PWJ on the erosion of AISI 316L austenitic stainless steel manufactured conventionally and by selective laser melting (SLM)	CZ
<b>Andrzej Perc</b> Jacob of Paradises University	Abrasive Water Jet Cutting Quality Modeling and Optimization by Applying the Response Surface Methodology (RSM)	PL
<b>Andrzej Perc</b> Jacob of Paradises University	Using of Selected Multi-Criteria Decision Analysis Methods for Optimization of Cutting Process with Abrasive Water Jet	PL

**End of the Session – see you at 19:00 at Gala Dinner**

Supported by:



## 3D Printing

🕒 13:45 – 15:15

### 3D Printing Session | S2

Moderators: Katarína Monková, Jozef Torok

| Technical note |  
Presentation length is 10 minutes +5 minutes Q&A session.

**Siegfried Schmauder**  
University of Stuttgart

Multiscale Fatigue Modelling in Practice

DE

**Nenad Gubelj**  
University of Maribor

Fracture toughness of the selective laser melting material depending on thermal treatment

SLO

**Miorita Ungureanu**  
Technical University Cluj-Napoca

3D printing in prescriptive maintenance

RO

**Nikolae Ungureanu**  
Technical University Cluj-Napoca

An analysis of the methods and techniques by which intelligent software systems specific to Industry 4.0 contribute to predicting and identifying failures

RO

**Martin Korol'**  
FMT TUKE

The influence of the selected material and TPMS structure on the course of 3D printing using the FDM method

SK

**Berenika Hausnerová**  
Tomas Bata University in Zlin

Merging of AM and PIM: Challenges and Opportunities?

CZ

**Jozef Török**  
FMT TUKE

Production of functional assemblies using FDM technology

SK

🕒 15:15 - 15:30

### Discussion during Coffee Break | Foyer | Exhibition of PROTOLAB products

**Lukáš Štafura**  
FMT TUKE

Spare part production by application of reverse engineering techniques

SK

**Katarína Monková**  
FMT TUKE

Sustainability of Additive Technologies

SK

🕒 15:30 – 17:00

### 3D Printing Session | S2

Moderators: Peter Monka, Jozef Torok

| Technical note |  
Presentation length is 10 minutes +5 minutes Q&A session.

**Aleksandar Sedmak**  
University of Belgrade

Fracture and fatigue testing of PLA made by Fused Deposition Modelling

RS

**Simon Sedmak**  
University of Belgrade

Numerical simulation of fatigue crack growth in honeycomb structures

RS

**Kristina Zgodavova**  
FMT TUKE

Experimenting in 3D printing sustainability: testing the recycled PETG filament

SK

**Alexandru Popan**  
TECHNICAL UNIVERSITY OF CLUJ-NAPOCA

Influence of SLM parameters on COCR alloy

RO

**Adrián Bognár**  
John von Neumann University

Effect of Resin Temperature on the Macro-Geometry and Micro-Surface Structure in Vat Photopolymerization

HU

## End of the Session – see you at 19:00 at Gala Dinner

Supported by:



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APVV-19-0550 "Investigation of cellular material properties"

KEGA 005TUKE-4/2021 "Development of professional competencies and computer skills of teachers and students with regard to advanced techniques of design, production and simulation of the behaviour of parts produced by 3D printing technology"

KEGA 004TUKE-4/2022 "Implementation of generative design methods of design for innovative education in the field of additive technologies"

ERASMUS+ 2021-1-PL01-KA220-HED-000031182 "ErgoDesign – Improving digital skills for Ergonomics and Bioengineering Innovations for inclusive Health Care

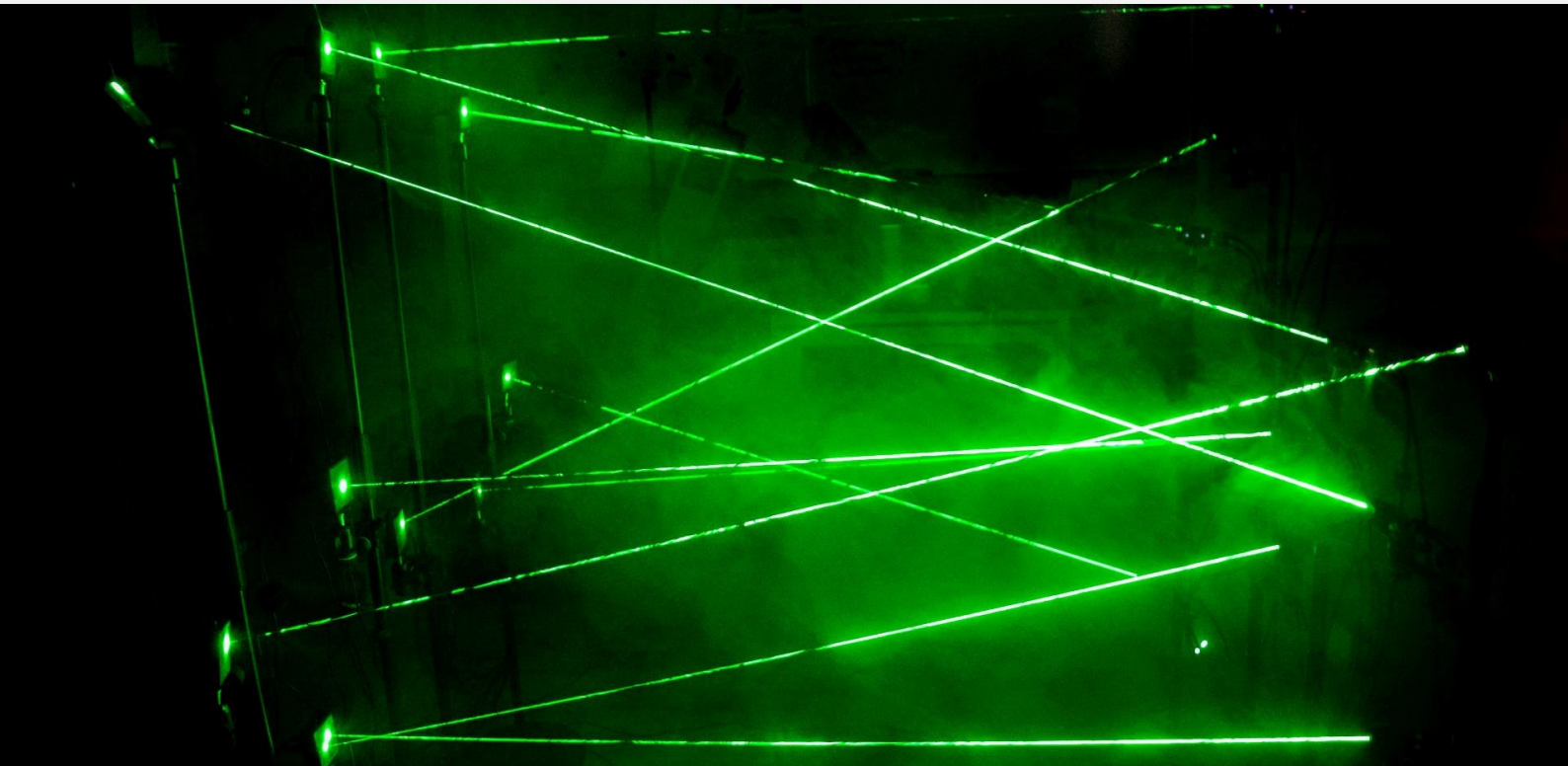


International  
Conference **2023**

Tuesday June 27<sup>th</sup>

## Gala Dinner with Amazing Theatre of **Physics**

with a competition ... try to be as **Catherine Zeta Jones**...it is better to be a  
**scientist or an actor?**



## Materials and Manufacturing

<p><b>9:00 – 10:30</b></p> <p><b>Manufacturing   Mediatro</b></p> <p>Moderators: Srecko Krile, Simon Barrans</p> <p>[Technical note] Presentation length is 10 minutes +5 minutes Q&amp;A session.</p>	<p><b>Chiara Ravasio</b> University of Bergamo</p>	Study of the law motion of the micro-EDM drilling process	IT
	<p><b>Miroslav Muller</b> CULS University</p>	Evaluation of Mechanical Properties and Filler Interaction in Field of SLA Polymeric Additive Manufacturing	CZ
	<p><b>Viktor Kolář</b> CULS University</p>	Numerical modeling and experimental analysis of hybrid composites partially reinforced with bio-fibers and fillers	CZ
	<p><b>Simon Barrans</b> University of Huddersfield</p>	Development of a novel railway span-wire clamp	GB
	<p><b>Pavol Hvizdoš</b> Institute of Materials Research, SAS</p>	Preparation, mechanical properties and wear of new dual-phase high entropy carbide/boride ceramics	SK
	<p><b>Adam Jacso</b> Budapest University of Technology and Economics</p>	Optimizing the linking movements in milling operations with speed and acceleration constraints	HU
	<p><b>Ihor Nesteruk</b> National Academy of Sciences of Ukraine</p>	New Materials and Technologies to Improve pontoons for Low Drag Water Bikes	UA

**10:30 – 10:45**

### Discussion during Coffee Break | Foyer

<p><b>10:45 – 12:30</b></p> <p><b>Manufacturing   Mediatro</b></p> <p>Moderators: Pavol Hvizdoš, Ihor Nesteruk</p> <p>[Technical note] Presentation length is 10 minutes +5 minutes Q&amp;A session.</p>	<p><b>Zayeeem Fazili</b> University of Huddersfield</p>	Assessing Failure in 5-axis Machined Components using Local and Non-Local Fatigue Models	GB
	<p><b>Mariusz Michalski</b> University of Zielona Gora</p>	Plasma gouging parameters during the machining of S355 steel	PL
	<p><b>Natalia Szscotkarz</b> University of Zielona Gora</p>	Analysis of cutting tool wear under minimum quantity lubrication cooling conditions with copper nanoparticles during machining of Ti6Al4V titanium alloy	PL
	<p><b>Radosław Maruda</b> University of Zielona Gora</p>	Comparison of specially developed plasma-deposited layers	PL
	<p><b>Dominik Sabol</b> FMT TUKE</p>	FEA simulation of the dynamic response of inhomogeneous materials subjected to an impulse load in the microscale	SK
	<p><b>György Póka</b> Budapest University of Technology and Economics</p>	Lame curves for pocket milling	HU

**12:30 – 13:30**

### LUNCH | Restaurant Hotel Atrium

Supported by:



**Zwick / Roell**

**Materials and Manufacturing**

🕒 13:30 – 15:15

**Manufacturing | Room Mediatro**

Moderators: Munish Kumar Gupta, Gabriel Stolarik

[Technical note]  
Presentation length is 10 minutes +5 minutes Q&A session.

<b>Witold Habrat</b> Rzeszow University of Technology	Multilayer PVD coatings for cutting tools used for machining aluminium alloys	PL
<b>Piotr Nieslony</b> Opole University of Technology	Influence of techniques and methods of non-contact surface topography measurements on roughness parameters.	PL
<b>Munish Kumar Gupta</b> Opole University of Technology	Tool wear investigations in cryogenic assisted machining of nickel based alloys.	PL
<b>Łukasz Wieczorek</b> Opole University of Technology	The impact of drilling parameters with carbide drills on the dimensional and shape accuracy of holes made in packet sheets.	PL
<b>Mihajlo Arandelović</b> University of Belgrade	Application of Digital Image Correlation in experimental testing of welded joints	RS
<b>Gábor Kónya</b> John von Neumann University	The Effect of Machining Parameters and Tool Recondition on Milling Process of Rene108 Type Nickel-based superalloys	HU
<b>Zsolt F. Kovács</b> John von Neumann University	The Influence of Diamond Burnishing on Surface Roughness of C45 Steel	HU
<b>Klaudia Papp</b> John von Neumann University	Geometric reconstruction and stress analysis of a lower teeth-mandible connection	HU
<b>Loschenr P.</b> Opole University of Technology	Construction and verification of constitutive models for FEM simulations.	PL
<b>Agnieszka Szulc</b> Opole University of Technology	Granulation in one device - development of an innovative, waste-free method of granulation of mineral fertilizers in a mixer	PL
<b>Mateusz Franka</b> Opole University of Technology	Recent development of clinching cylindrical surface	PL

🕒 15:15 - 15:30

**Closing Session and the Conference – Sergej Hloch**

Supported by:



**Zwick / Roell**



# International Conference 2023 Amazing Theatre of Physics

This year the program for children will be provided by ÚDiF - Úžasné Divadlo Fyziky aka Amazing Theatre of Physics by a very sympathetic a group of enthusiasts who've decided to entertain people with physics. For more than 15 years they pass on the joy of understanding and try to ignite in people the excitement from watching the world around. They have been performing since 2008 and are known throughout Europe. 😊

<https://www.icmem2023.eu/for-children/>

<https://udif.cz/english/>





### Monday:

17:00 welcome/get-to-know-you short performance plus some small gift for kids

### Tuesday 9:00:

#### Kids – Hands and Minds ON

2 performances in the morning + 2 performances in the afternoon. Focused on production/experimental and the other part would be more experiential for children (development of cooperation, communication or other attributes). **Foyer - Atrium**

### Tuesday 19:00

#### Gala Dinner

laser maze - version for kids and for adults, encryption game - could take place throughout the evening and people would go through it either with children or without children in groups, but also as individuals



### During Sessions

Short experiments during coffee breaks



## TEAM 2024

11th International scientific and expert conference of the international TEAM society



Robert Čep

the Dean of Mechanical Engineering Faculty, VSB – Technical University of Ostrava



Jana Petrů

The head of the Department of Machining, Assembly and Engineering Metrology, Mechanical Engineering Faculty, VSB – Technical University of Ostrava



**Discover your research opportunities** during the celebration of the 70th anniversary of the establishment of the department Assembly and Engineering Metrology at Mechanical Engineering Faculty, VSB-Technical University of Ostrava

11TH International scientific and expert conference of the international [TEAM society](#) 2024 is coming to the city of [Ostrava](#), Czech Republic on **11 – 13 September 2024**. We are happy to host the event from following reasons: - **This academic conference is full of networking opportunities.** Recently, we have succeeded in building top laboratories and established significant research projects. Whether you are a student, a researcher, a teaching staff member and you are looking for opportunities for cooperation within your project, this is the conference where you would like to be. - **Discover your research opportunities.** Present your research results at our event. We will help you to ensure that your contribution meets high standards of relevance. Accepted articles will be published in a special issue of MM Spectrum (indexed in Science Citation Index). - **You fill wind your a new prospects.** The TEAM Conference on Mechanical Engineering will provide an excellent international platform for sharing knowledge in mechanical engineering with interdisciplinary overlapping to tackle actual global problems. The aim of the conference is to provide a platform for researchers and practitioners promoting the applied research activity for linking university and industry, spreading scientific information and developing international network. We believe that this conference will enrich you not only on the professional but especially enriches your visions.