



AMPT2022

23rd International Conference on Advances in Materials & Processing Technologies



SAVE
THE
DATE



10-14 October 2022 Grand Hotel Bernardin, Portorož, Slovenia

3rd Announcement & Call for Abstracts



CONFERENCE VENUE

Conference will be held along the beautiful Adriatic – Mediterranean coast of Slovenia in Congress Centre Bernardin, located in the municipality of historical-Venetian style town of Piran. It is located 130 km southwest of Slovenia capital Ljubljana and can be easily reached from EU main capitals.

INVITED SPEAKERS

Prof.dr. Dermot Brabazon (Ireland): **Key challenges and advancements in additive manufacturing**

Prof.dr. Imre Felde (Hungary): **On the Bio-inspired computational methods and AI technics supporting Heat Treatment processes**

Prof.dr. Chao-Pei Jiang (Taiwan): **New direction and novel AM technology development in biomedical applications**

Prof. dr. Massimo Pellizzari (Italy): **Considerations about cryogenic treatment of tool steel, twenty years after the AMPT'99 conference in Dublin**

Prof. dr. Bekir Yilbas (Saudi Arabia): **Current and Future Trends in Surface Engineering: Practical Applications of Hydrophobic Surfaces**

KEY DATES

- **ABSTRACT submission deadline:**
~~April 30, 2022~~
- **ABSTRACT acceptance notification:**
May 30, 2022
- **Early Bird Fee deadline:**
July 31, 2022
- **Late Registration & Fee deadline:**
September 20, 2022

CHAIR

Prof. B. Podgornik
Institute of Metals and Technology (IMT), Slovenia

ORGANIZING COMMITTEE

Dr. M. Sedlaček, Chair, IMT

Dr. A. Guštin, IMT
P. Jovičević-Klug, IMT
G. Puš, IMT
V. Nahtigal, IMT



STEERING COMMITTEE

Prof. S. Hashmi, Chair, Ireland

Prof. M. Andritschky, Portugal
Prof. E. Bayraktar, France
Prof. D. Brabazon, Ireland
Prof. M. Buggy, Ireland
Prof. Y. Chastel, France
Dr. L.-K. Chen, Taiwan
Prof. I.A. Choudhury, Malaysia
Prof. L. Dobrzanski, Poland
Prof. J. Fogagnolo, Brazil
Prof. E. Gordo, Spain
Dr. J. Haider, UK
Prof. S. Hasan, UK
Prof. A.S.M.A. Haseeb, Malaysia
Prof. Y.M. Huang, Taiwan
Dr. F. Hussain, Saudi Arabia
Prof. I.S. Jawahir, USA

Prof. G.P. Karmakar, India
Prof. S. Masood, Australia
Prof. I. Miskioğlu, USA
Prof. S. Mridha, UK
Prof. A. Olabi, UK
Prof. R. Padmanabhan, India
Prof. B. Podgornik, Slovenia
Prof. S. Sulaiman, Malaysia
Prof. Y. Taek Im, Korea
Prof. S. Hong Tang, Malaysia
Prof. K. Tieu, Australia
Prof. J.M. Torralba, Spain
Prof. S. Ullah, Japan
Prof. F. Yigit, Turkey
Prof. B. Yilbas, Saudi Arabia

www.AMPT2022.org



AMPT2022 23rd International Conference on Advances in Materials & Processing Technologies



SAVE
THE
DATE

10-14 October 2022 Grand Hotel Bernardin, Portorož, Slovenia

3rd Announcement & Call for Abstracts



FOREWORDS

The Advances in Materials and Processing Technologies (AMPT) conference series provides a forum for academics, researchers, and practicing engineers to meet and exchange innovative ideas and information on all aspects of material processing technologies. It was founded in 1990 at the Dublin City University, Dublin, Ireland and since then being held in many different countries around the globe. After being cancelled in 2020 due to COVID pandemic, in 2022 for the first time AMPT conference will be held at the coast of Slovenia, in Portorož. AMPT Organizing and AMPT Steering Committee welcome colleagues to attend and present their research work at the AMPT2022 conference, international gathering of engineers and researchers from all over the world.

TOPICS



- **Forming processes:** Bulk forming, Rolling, Stamping, Fine Blanking, Net-Shape Forming, Hydroforming, Casting and Welding, Forming in Near Melt Condition.
- **Machining processes:** Cutting, Grinding and Polishing, Abrasive Machining, EDM Machining, Non-Conventional Machining.
- **Precision Engineering and Metrology:** Surface Measurement and Characterization, In-process and On-line Measurement, Microscopy.
- **Micro/Nano Technology:** MEMS Device and System Design, Micro Forming, Nano materials, Biomimetic, Carbon Based Materials.
- **Materials Science and Processing:** Smart Materials, Biomaterials, Functional and Flexible Materials, HEA, Materials for High Temperature Applications, Metals, Ceramics, Light-Weight Materials, Polymers, Composites, Timber, Renewable Materials.
- **Heat treatment and Surface Engineering:** Heat and thermo-chemical treatments, PVD & CVD Coatings, Thermal Spray Coatings, Surface Modification, High Energy Beam Processing, Tribology.
- **Additive Manufacturing:** Powder Technology, 3D metal printing, Process Control, Design, Printing and Heat Treatment.
- **Modelling and Simulation:** Computer Aided Engineering, Modelling, Simulation, Sensors design, Big Data, Cloud Computing.
- **Smart Manufacturing and Management:** Industry 4.0, Quality and Reliability, Green Manufacturing, Sustainable Manufacturing, Recycling, Biocompatibility and Biodegradability.

CONTACT & MORE INFO



Inform your colleagues.



Register today.

More information are available at the conference webpage: www.AMPT2022.org, or by contacting AMPT2022 organizing committee (ampt2022@imt.si) or conference chairman Prof. B. Podgornik (bojan.podgornik@imt.si; +386 1 4701930).