

METALLOGRAPHY & FRACTOGRAPHY 2022

18th International Symposium on Metallography, Fractography and Materials Science

27th – 29th April 2022 / Atrium Hotel*** / Nový Smokovec / High Tatras / Slovak Republic

Scope

Regular traditional conference on Metallography, Fractography and Materials Science “*Metallography & Fractography 2022*” take place between 27th – 29th April 2022 in the High Tatra Mountains in the Slovak Republic. We have the pleasure to invite you to participate in this traditional event where materials specialists from various parts of the world have been meeting and exchanging their latest insights at three-yearly intervals. The conference has featured as important events for the presentation of results achieved in materials science and engineering. The conference focus widened long ago to cover not only the field of metal materials but also numerous modern materials and technologies as well. The participants come from universities, academic research institutions, and different branches of industry not only from all corners of Europe but from overseas as well with an interest in materials science and engineering. Exhibitions of instruments and equipment make it possible for the participants to acquaint themselves with recent achievements in research and investigation technology. Now at this conference, we would like to expand the programme to cover new advanced materials and technologies as well as to intensify international contacts.

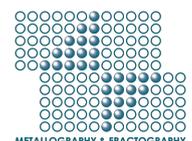
Conference Topics

The 18th International Symposium “*Metallography & Fractography 2022*” features some special sessions on areas of current interest, and will focus primarily on practical aspects and advances in:

- microstructural characterization techniques, including quantitative evaluation of microstructures, TEM, SEM, EBSD, and other microanalyses
- mathematical modeling and process simulation, stereological and statistical methods in the area of evaluating of microstructure and the process of failure
- solidification and solid-state transformations, including segregation and precipitation processes
- prediction of microstructures and interrelationships between microstructure and material properties, with no limitation to classes of materials and technology
- welding and joining of materials
- fractures, the theory of material failure, defects and material degradation
- the utilization of fractography in engineering practice
- fatigue and creep, corrosion and oxidation
- nonferrous alloys, shape memory alloys
- nanostructures and nanocrystalline materials
- superconductors, composites, intermetallics, amorphous materials, biomaterials, powder metallurgy, and ceramics
- coatings and surface engineering
- metallography in archaeology (archaeometallurgy)

Exhibition

The 18th Symposium “*Metallography & Fractography 2022*” will host also an exhibition of metallographic and analytical equipment. Further details on exhibiting can be obtained by completing the preliminary registration form or contacting the Organiser.



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Venue

This symposium traditionally takes place in the beautiful surroundings of the High Tatra Mountains. The Atrium Hotel offers guests its services in the dining room, coffee shop, night bar, small lounges, saunas, swimming pool and is situated near a winter sports center. The hotel is easily accessible by road, train, and bus.

Language

The official language of the conference will be English. In exceptional circumstances, Slovak and Czech may also become feasible. Accepted papers are to be submitted in the English language.

Call for Papers

Deadlines

March 31, 2022	Brief abstract deadline (Prolonged deadline)
March 31, 2022	Acceptance notification date
March 31, 2022	Deadline for definitive abstract
March 31, 2022	Deadline for final registration
May 31, 2022	Manuscript due for review

Information

Assoc. Prof. Dr. Ing. Peter Horňák
Ing. Miloš Matvija, PhD.

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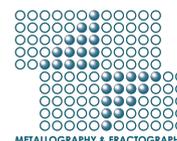
Website: www.konferencie.net/metalo

Chair of the Symposium

Joint chairmen

Peter Horňák, Košice, Slovakia

Pavol Hvizdoš, Košice, Slovakia



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International Scientific Committee

Ján Dusza, Košice, Slovakia
Margita Longauerová, Košice, Slovakia
Akio Nishimoto, Osaka, Japan

Organising Committee

Chairman
Peter Horňák
Technical University of Košice, Slovakia
Co-Chairman
Pavol Hvizdoš
Slovak Academy of Sciences, Košice, Slovakia
Secretary
Miloš Matvija
Technical University of Košice, Slovakia

Proceedings

All accepted contributions will be published in the journal which is indexed in Scopus in the English language. The Abstract Booklet will be available at the beginning of the conference.

Abstract Booklet

For preliminary registration for Conference participation, it is enough to send a brief abstract (up to 200 words). Definitive abstracts for all accepted contributions will be published in the Abstract Booklet, which participants will receive at the conference. For publication of abstracts in the Abstract Booklet, we require authors to the one-page format of abstract according to the template available on the conference website. Abstracts must be prepared in compliance with the instructions for writing definitive abstracts in the template to the deadline for the definitive abstract.

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