

METALLOGRAPHY & FRACTOGRAPHY 2019

17th International Symposium on Metallography, Fractography and Materials Science

24th – 26th April 2019 / Atrium Hotel*** / Nový Smokovec / High Tatras / Slovak Republic

Scope

Regular traditional conferences on Metallography, Fractography and Materials Science “*Metallography & Fractography 2019*” jointly take place between 24th – 26th April 2019 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. These conferences have featured as important events for 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 in 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 17th International Symposium “*Metallography & Fractography 2019*” features some special sessions on areas of current interest, and will focus primarily on practical aspects and advances in:

- microstructural characterisation techniques, including quantitative evaluation of microstructures, TEM, SEM, EBSD, and microanalyses
- mathematical modelling 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
- 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 17th Symposium “*Metallography & Fractography 2019*” 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 centre. 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 English language.

Call for Papers

Deadlines

December 31, 2018	Brief abstract deadline
January 31, 2019	Acceptance notification date
February 28, 2019	Deadline for definitive abstract
March 20, 2019	Manuscript due for review
April 1, 2019	Deadline for final registration

Information

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

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Chair of the Symposium

Joint-chairman
Peter Horňák, Košice, Slovakia
Ján Dusza, Košice, Slovakia

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International Scientific Committee

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

Organising Committee

Chairman
Peter Horňak
Technical University of Košice, Slovakia

Co-Chairman
Pavol Hvizdoš
Institute of Materials Research of SAS, Košice

Secretary
Miloš Matvija
Technical University of Košice, Slovakia

Proceedings

All accepted contributions will be published in the journal which is indexed in Scopus in English language. Abstract booklet will be available in 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 Booklet we require them on one page of A4 format, but they must be prepared in compliance with the Instructions for Writing Definitive Abstracts.

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