The 9th International Conference on Physical and Numerical Simulation of Materials Processing



October 10-14 Moscow, Russia

The 9th International Conference Physical and Numerical on Simulation of Materials Processing follows (ICPNS'2019) in USA (Seattle-2016), Finland (Oulu-2013) and China (Guilin 2010, Zhengzhou-2007, Shanghai-2004, Beijing-1999, Hainan-1997, Harbin-1990) and provides a forum for researchers around the world to present papers on recent advances in the overall field of physical & numerical methods and their applications in materials processing and testing.

ORGANIZED BY

Tikhonov Moscow Institute of Electronics and Mathematics of National Research University Higher School of Economics

International Federation on Physical and Numerical Simulation of Materials Processing (IFPNS)

https://icpns2019.hse.ru

Moscow, Russia

SCOPE AND TOPICS

The conference will cover all aspects of Physical and Numerical Simulation of Materials Processing. The focus will be on (but not limited to) the following topics:

- 1. Physical simulation of forming operations and thermo-mechanical processing of materials
- 2. Design and optimization of materials processing technologies
- 3. Mathematical and numerical modeling of materials constitutive behavior
- 4. Atomistic and multiscale computer simulation
- 5. Materials characterization
- 6. Radiation, microwave and laser processing of materials
- 7. Nondestructive testing
- 8. Intelligent manufacturing
- 9. Modelling and simulation in metallurgical processing
- 10. Software engineering and software development for materials processing, computation and design
- 11. Additive manufacturing, processes and materials
- 12. Simulation of phase transformations and microstructural evolution
- 13. Material design approaches and experiences, computation material science and molecular dynamics simulation
- 14. Sustainability through materials processing and waste valorization

IMPORTANT DATES

- Abstract submissions due: April 15, 2019 (postponed to **June 20**, 2019)

Deadline for full manuscript submission:
Final program on the website:
Dates of the conference:
June 30, 2019
September 30, 2019
October 10-14, 2019

PUBLICATION

All accepted abstracts will be printed in the proceedings of ICPNS'2019.

Full manuscripts after peer review will be published in <u>Procedia Manufacturing</u>, an open access Elsevier journal available in <u>ScienceDirect.com</u> and indexed in world leading scientific databases including **Scopus** and **Web of Science**.

SOCIAL PROGRAM

During the conference, the organization committee will arrange a tour program for participants and companions to visit most popular attractions in Moscow.

A one day trip to St. Petersburg will be organized as an optional activity (for additional payment), including visiting Peter the Great St. Petersburg Polytechnic University (SPbPU).

CONFERENCE FEES

	Early bird Before July 20, 2019	Standard Before August 30, 2019
Regular participant	500 USD	600 USD
St.Petersburg session	300 USD	300 USD
Student	350 USD	600 USD
Accompanying person	350 USD	450 USD

Participant fee includes:

- Access to Plenary Session, Parallel Sessions, Poster Session and Exhibition
- Participant bag, book of abstracts and conference program
- Lunch & coffee breaks during the conference
- Social program, welcome reception, conference diner
- Certificate of participation

Accompanying person fee includes:

- Accommodation in the conference hotel (double room)
- Social program, welcome reception, conference diner

St.Petersburg session fee includes:

- Access to Plenary Session in Peter the Great St. Petersburg Polytechnic University
- Meals, coffee and banquet
- Excursions

Moscow, Russia

VENUE

ICPNS'2019 will take place in HSE Moscow Institute of Electronica and Mathematics (MIEM HSE) located in Strogino - one of the most environmentally friendly areas of the Russian capital with the direct transport access to the Moscow center.

Address: Tallinskaya 34, Moscow, Russia, 123458

SUGGESTED HOTELS

MOSCOW

*** Hampton by Hilton Strogino

The hotel is in the walkable distance from MIEM HSE.

WEB: Hampton by Hilton Strogino

Address: Kulakova Street Bld. 1, 20, Moscow, Russia, 123592

***** Hyatt Regency Moscow Petrovsky Park

The transfer to this hotel will be organized for the conference participants.

WEB: Hyatt Regency Moscow Petrovsky Park

Address: Leningradsky Avenue 36 building 33, Moscow, Russia, 125167

St.PETERSBURG

St.Petersburg session (October 14-15) will be held in Peter the Great St. Petersburg Polytechnic University. The participants attending this session are suggested to stay at the following hotel:

**** Original Sokos Hotel Olympia Garden

The transfer to this hotel will be organized for the conference participants.

WEB: Original Sokos Hotel Olympia Garden

Address: Bataiskii Pereulok 3 A, St. Petersburg, Russia, 190013

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