

1st Indo-Russian International Symposium/ FDP on *Tribological aspects of Smart Materials and Adaptive coatings for Space/Industrial Applications*

3rd October 2022 to 7th October 2022

Venue: National Institute of Technology, Srinagar, J&K



Organized by:

National Institute of Technology, Srinagar, J&K

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Shri Mata Vaishno Devi University, Katra, J&K

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Indian Institute of Technology–Jammu, J&K

In Collaboration with

Ishlinsky Institute for Problems in Mechanics

Russian Academy of Sciences, Russia

Patrons

Prof. Rakesh Sehgal (Director)
National Institute of Technology Srinagar,
India

Prof. Irina Goryacheva
Ishlinsky Institute for Problems in
Mechanics, Russian Academy of Sciences,
Russia

Symposium Chair

Prof. M. F. Wani
National Institute of Technology,
Srinagar, India

Prof. Elena Torskaya
Ishlinsky Institute for Problems in
Mechanics, Russian Academy of
Sciences, Russia

Sponsors

Registration Link



<https://forms.gle/sWWrF8aGsyB7efd7>

About the Institute



National Institute of Technology Srinagar, is one of the premier Educational Institutes in the Northern Region of the country. It was established in 1960 and has been one of the eighteen Regional Engineering Colleges sponsored by Govt. of India during the 2nd Plan. The Institute acquired the status of National Institute of Technology with deemed to be University status in August 2003 and attained full autonomy in its Academics.

The Institute is situated at the banks of the world-famous Dal Lake, with the famed Hazratbal Shrine on other side of the campus. The Institute has one of the best technical libraries in J&K State. It has an on-line repository of A.S.C.E, A.S.M.E, A.E.L, J.C.C.C etc. in addition to journals through INDEST-AICTE consortium. It also has a collection of ASTM standards, I.S.I codes, in the C.D-Rom format. Institute has also set up state-of-art Central Research Facility, housing high end equipment for fabrication, characterization of materials and coatings at micro and nano scale level.

About the Symposium

Tribology laboratory, Mechanical Engineering Department, NIT Srinagar, India, in collaboration with Ishlinsky Institute for Problems in Mechanics, Russian Academy of Sciences, Russia is organizing a five-day international symposium on, “Tribological aspects of Smart Materials and Adaptive coatings for Space/Industrial Applications”. The initiative is aimed at bringing together the researchers, scientists, technocrats and practicing engineers to discuss and address the issues related to development and characterization of smart materials and adaptive coatings for space and industrial applications. The symposium will focus on fabrication, modelling, characterization of materials at micro & nano-scale level (CMCs, MMCs, micro/nano-coatings)

In addition to this, practical sessions will be held which will provide hands-on experience to the participants on the latest equipment in the field of fabrication of CMCs, MMCs, Nano-Coatings, tribology, nano-tribology and material characterization at micro and nano scale level.

Eminent experts from Academia and industry will deliver keynotes address/plenary lectures/expert lectures on below mentioned topics related to space tribology.

- Nano-Indentation
- Modelling of Self-Lubricating Material
- Nano-Tribology
- High Temperature Tribology
- Solid Lubrication
- Composite Development & Characterization
- Ceramics Tribology
- Nanoscale Surface Dynamic Processes
- Tribology in Aqueous Environments
- Nano-Lubrication
- Tribological Testing & Characterization

Panel of Speakers



Prof. Irina Goryacheva
Professor, Ishlinsky Institute
for Problems in Mechanics
Russian Academy of Sciences,
Russia



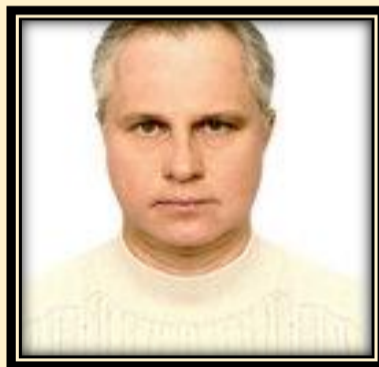
Prof. Samir Aouadi
Department of Materials Science and
Engineering
UNT College of Engineering, USA



Prof. Zulfikar Khan
Professor Of Design
Engineering and Computing
Bournemouth University, UK



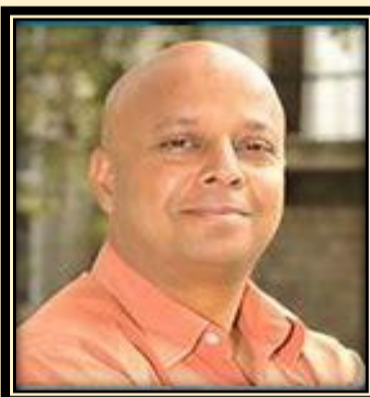
Dr. Abdelhafed Taleb
Sorbonne Université
ENSCP, Chimie ParisTech,
Institut de Recherche de
Chimie Paris, France



Prof. Ivan Soldatenkov
Professor, Ishlinsky Institute for
Problems in Mechanics
Russian Academy of Sciences,
Russia



Dr. Anirudha V. Sumant
Group Leader,
Nanofabrication and Devices
and Materials Scientist.
Nanoscience Center for
Nanoscale Materials
Argonne National Laboratory, USA



Prof. Satish V Kailas
Professor, Department of
Mechanical Engineering
IISc Bangalore, India



Prof. Sunil Mohan
Professor and Head
Department of Metallurgical
Engineering
Indian Institute of Technology
(BHU), Varanasi



Prof. Harpreet Singh
Professor
Mechanical Engineering
Department
Indian Institute of
Technology Ropar



**Dr. Hamid
Khanmohammadi**
Mechanical & Industrial Engg
Norwegian University of
Science and technology
(NTNU)



Mr Pratyank Rastogi
Technical Sales Manager
Industron Technical Services Pvt
Ltd



Mr Vishal K Khosla
CEO, Founder
RTEC-Instruments Inc.

Coordinators

Dr. Shahid Saleem (NIT Srinagar, India)

Dr. Mukund Dutt Sharma (NIT Srinagar, India)

Dr. S. Anand Kumar (IIT Jammu, India)

Dr. Mir Irfan Ul Haq (SMVD University, India)

Dr. Marat Bronovets (IPM Russian Academy of Sciences, Russia)

Dr. Elena Torskaya (IPM Russian Academy of Sciences, Russia)

Dr. Alexey Mezrin (IPM Russian Academy of Sciences, Russia)

Dr. Almira Meshcheryakova (IPM Russian Academy of Sciences, Russia)

Dr. Pavel Bukovsky (IPM Russian Academy of Sciences, Russia)

Dr. Ivan Skalei (IPM Russian Academy of Sciences, Russia)

Symposium Co-Chair

*Prof Ivan Soldatenkov
Ishlinsky Institute for Problems
in Mechanics
Russian Academy of Sciences,
Russia*

*Prof. Sheikh Nazir Ahmad
National Institute of
Technology, Srinagar, J&K,
India*

Finance Committee:

Dr Mohd Nadeem Bhat

Mr Mubashir Ahmad Wani

Mr Shahid Hamid

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Technical Committee:

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Dr Mir Irfan-ul-Haq

Dr Mohd Nadeem Bhat

Dr Mohammad Mohsin Khan

Dr Sandeep Rathee

Dr Abhijeet Dey

Hospitality and Planning Committee:

Dr Mukund Dutt Sharma

Mr Tauseef Jeelani

Mr Nayeem Zahoor

Mr Ashish Sinha

Mr Chandra Shekhar

Mr Himanshu Shekhar Gupta

Mr Umair Ashraf

Mr Mufti Taseer

Mr Adil Nazeer

Mr Sajad Ahmad Dar

Mrs Eram Khursheed

Mr Turali Narayana

Registration Fees for Participants

Industry Delegates

10,000 INR

Indian Academic Delegates

5,000 INR

Indian Research Scholars

2,500 INR

**Accompanying Person
Indian Delegates**

4,000 INR

Foreign Academic Delegates

200 USD

Foreign Research Scholars

100 USD

**Accompanying Person
Foreign Delegates**

150 USD

Payment link will be available on website and will be communicated to the confirmed participants.

Important Dates:

Last date for registration: 20th Sept 2022

Selection-list intimation: 21st Sept 2022

Duration of Symposium: 03rd – 07th Oct 2022

Contact Us at:

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Selection Criteria:

Selections will be made on first-cum-first-serve basis and the confirmed candidates will be notified accordingly. The maximum number of participants will be 50 (fifty). *

*Seats are limited for each group/category.