

Intl. TriboIndia Conference on 'Sustainable Development through Tribology' begins at NIT Srinagar

Such conferences need of the hours: Director NIT Srinagar

Srinagar, Oct 05: The 3rd International Conference on Tribology, (TriboIndia 2023) on 'Sustainable Development through Tribology' kicks off on Thursday at the National Institute of Technology (NIT) Srinagar.

The mega conference is being organized by Department of Mechanical Engineering NIT Srinagar under the aegis of the Tribology Society of India (TSI).

The inaugural function of the three-day conference was presided over by the Vice Chancellor of University of Kashmir, Prof. Nilofer Khan, who was Chief Guest of the event.

President of the Tribology Society of India (TSI), Prof. Satish Vasu Kailash, Director NIT Srinagar, Prof. Sudhakar Yedla, Patron of TriboIndia 2023, Conference chairman, Prof. M.F. Wani, Prof. Adnan Qayoum (HoD MED), Prof. G A Harmain (HAG), Prof. Koshi Adachi, Tohoku University, Japan, Prof. Irina Goryacheva, RAS, Russia and other dignitaries were present in the podium.

In her keynote address, Prof. Nilofer Khan, Vice-Chancellor of the University of Kashmir, highlighted the collaborative efforts between KU and NIT Srinagar in delivering high-quality education to their students.

She said there is a deep-rooted connection between NIT Srinagar and Kashmir University, formerly known as Regional Engineering College (REC). Now both institutions are gaining recognition on national and international stages.

Prof. Nilofer underscored the considerable efforts invested in organizing this prestigious international conference in Srinagar, acknowledging the pivotal role played by Professor MF Wani in making it a reality.

She lauded the visionary leadership of Professor Yedla at NIT Srinagar, describing him as an exceptional administrator, accomplished researcher, and dedicated academician. She affirmed their commitment to supporting NIT Srinagar professionally.

Prof. Nilofer also highlighted the conference's theme, emphasizing its relevance and timeliness. Sustainable Development stands as a central focus in every academic institution, she added.

On the occasion, President TSI, Prof. Satish Vasu Kailash highlighted the importance of sustainable development through Tribology in the context of today's global warming and unpredictable weather patterns.

He expressed his hope that this conference would raise awareness about the concerning global changes and pave the way for sustainable development.

Prof. Kailash also noted that the conference would include workshops and educational courses, offering valuable insights to all participants. He extended his gratitude to Professor MF Wani for his instrumental support in hosting this significant conference at NIT Srinagar.

Patron of TriboIndia 2023, Prof. Sudhakar Yedla said NIT Srinagar has achieved a lot in the field of tribology and has set up a cutting-edge Tribology Laboratory that is considered one of the best in the country.

"This lab has helped us produce excellent research. It is a sign of our commitment to promoting innovation and supporting the next generation of tribologists," he said.

Prof. Yedla said the theme of this conference is the use of tribology in sustainable development. As the Kashmir region is embarking on sustainable development now, the use of this technology becomes very critical for its success.

He said that it is a very apt time for institutions in Kashmir and the region to organize such conferences which bring a lot of knowledge of technology not only from within the country but abroad.

"In a world dealing with challenges like climate change and the need to manage resources sustainably, tribology can make a big difference. By reducing friction, making machines more efficient, and making things last longer, we can help create a greener and more sustainable future," he said.

He said it is an honour for the NIT Srinagar to be chosen by TSI for the conference. The discussions and collaborations at this conference will take tribology to new heights, he added.

In his inaugural address, Prof. M.F. Wani, the Conference Chairman, highlighted that the Mechanical Engineering Department at NIT Srinagar is the driving force behind the organization of TriboIndia 2023.

He underscored the conference's theme as highly pertinent in today's world, where sustainability is a pressing concern.

Prof. Wani emphasized that sustainability poses a challenge to academia, industries, and society at large. He said that sustainability has become an integral aspect of research, with Tribology playing a significant role in shaping sustainable systems and products over the past six decades.

Furthermore, Prof. Wani said the conference's primary objective is to inculcate a sense of urgency among budding researchers, urging them to incorporate sustainability into their future endeavours.

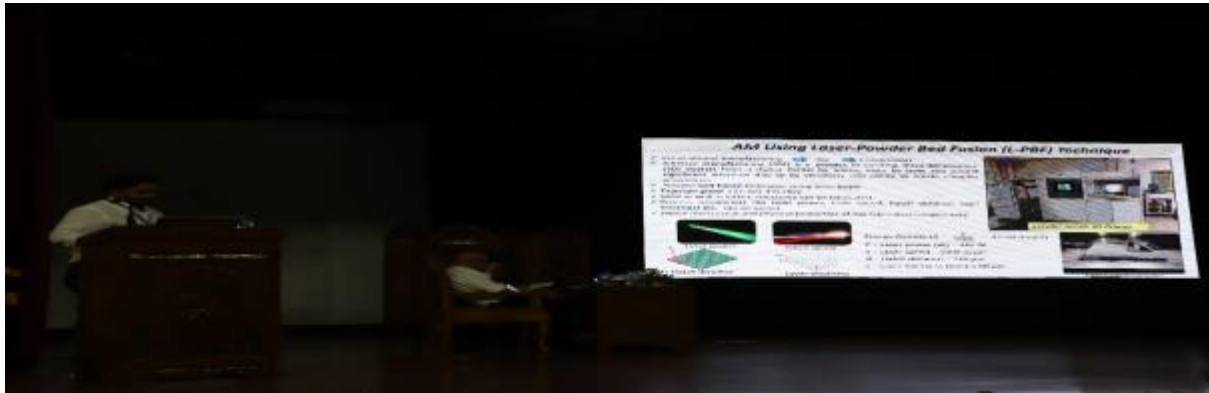
A formal vote of thanks was presented by Dr. Sheikh Shahid Saleem. On behalf of the organizing committee, he expressed his gratitude to Director NIT, Prof. Sudhakar Yedla, Vice Chancellor Kashmir University, Prof. Nilofar Khan, Conference Chairman Prof. MF Wani, and other dignitaries for their immense support.

He thanked platinum all sponsors including Defense R&D Organisation, Ministry of Defense, Indian Oil, Green Resolve, Rtec Instruments, Bharat Petroleum, Spinks World, Markolaser Solutions, India SERB, Bruker,

Aditya Birla Handalco, CSIR, JKST&IC and VAS Tribo as Media Partner for their support in organising this conference.

The event also featured the launch of the Conference Souvenir and the inauguration of exhibition stalls, presided over by the Chief Guest and other distinguished guests.











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International Conference on Tribology, 'TriboIndia2023' concludes at NIT Srinagar

Srinagar, 07 Oct: The 12th International Conference on Tribology, (TriboIndia 2023) on 'Sustainable Development through Tribology' concluded on Saturday at National Institute of Technology (NIT) Srinagar.

The mega conference was organized by Department of Mechanical Engineering NIT Srinagar under the aegis of the Tribology Society of India (TSI). It was attended by delegates from India and other parts of the world.

The theme of TriboIndia 2023 conference was "Sustainable Development through Tribology ", which aims to create significant impetus in research and development of materials.

On the final day, the Plenary Talk was delivered by Dr S S V Ramakumar (Ex-director IOCL R&D) who was Chief Guest on the occasion.

President Tribology Society of India (TSI), Prof. Satish Vasu Kailash, Conference chairman, Prof. M.F. Wani, Prof. Adnan Qayoum (HoD MED), Prof. G A Harmain (HAG), Prof. Irina Goryacheva, RAS, Russia, delegates from Japna and other dignitaries were present on the occasion.

In his address, Dr. Ramakumar highlighted the current state of the automotive industry in India, with approximately 30 million vehicles currently in operation, often referred to as the existing vehicle fleet.

He discussed the projections for electric vehicle (EV) adoption by 2030, emphasizing that the most optimistic estimate suggests that electric mobility will make up only 15 percent of the entire vehicular segment.

Dr. Ramakumar further identified the 2-wheeler and 3-wheeler segments as the most likely candidates for electrification, while the heavy-duty and shipping segments are expected to face significant challenges in transitioning to electric power due to factors such as battery availability and alternative energy sources. This transition is still a decade or more away, he added.

Despite the growing interest in EVs and potential scrapping policies, Dr. Ramakumar stressed that the need for lubricant solutions for the existing 30 million vehicles remains significant. He anticipated that these vehicles are likely to remain in use for at least another 15 years.

He predicted that the demand for liquid lubricants would plateau in the coming years, with a notable decline in market share expected between 2030 and 2035, except for transmission oils.

Conference Chairman Prof. M.F. Wani expressed his heartfelt appreciation for his dedicated team, acknowledging their invaluable support in successfully hosting this monumental event. Without their support, it was impossible to host such a conference in the region, he said.

Prof. Wani said the main aim of this conference was to inculcate a sense of urgency among budding researchers, to incorporate sustainability into their future endeavours.

Prof. G A Harmain (HAG) delivered a formal vote of thanks to the resource persons, speakers, esteemed dignitaries, delegates from both India and abroad, as well as research scholars and students, for their instrumental role in ensuring the resounding success of the 3-day event.

He expressed deep gratitude to Director NIT Srinagar, Prof. Sudhakar Yedla, and Prof. Adnan Qayoum (HoD MED), along with the event's organizers and coordinators, for their unwavering support throughout the proceedings.

Prof. Harmain expressed optimism that such gatherings, fostering technical sessions and collaboration, will continue to play a pivotal role in shaping the future.

On the occasion, participants who exhibited outstanding performance during the technical sessions of the Tribology conference were honored and presented with certificates as a token of appreciation for their remarkable contributions.

The event was followed by a visit to the tribology lab, where the delegates received a comprehensive briefing from Conference Chairman Prof. MF Wani.

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