January 2021 — January 2022

ISI NEWSLETTER

Message from President – TSI

"First of all, I would like to thank the TSI members who have voted for me as the President of the Tribology Society of India. Thanks to the past President Dr. S. S. V. Ramakumar, and other EC members for their contribution to the growth of TSI. This time the voting had to be done online due to the difficult times we are living through. Thanks to Dr. Kavita Rai who, as the returning officer, ensured smooth conduct of the elections. The percentage of votes that I, and all other members of the EC, got were 80% or more of the votes polled. While this might sound heartening it was also sad to note that less than 10% of the eligible people voted. Clearly something is missing. I am also reminded of the statement that "bad people get elected because the honest people do not vote." Hope this is not the case for the just concluded elections. The reason could be that the connect between the members and TSI are not strong enough. We do



need to introspect on this. During my tenure as President of the Society, I would like to seek views from all on how to go about strengthening this bond and make TSI a more vibrant organization. Just after the elections there was an email from Dr. R. A. Rao, former President of TSI (in 1970), and one of our senior-most members. He raised two issues for TSI to consider: (1) Working towards introducing Tribology as a course in the undergraduate and graduate level and, (2) Encouraging more women members to be a part of the TSI and EC. I request all members to help in addressing these issues. **Please send me your views and suggestions on how to address these two issues.** Let us move forward and build a stronger TSI based on the good work done by the past office bearers."

Prof. Satish V Kailas, President -TSI

Message from Secretary – TSI

Dear Colleagues,

TSI

I have pleasure in communicating with you through this latest issue of our Newsletter. At the outset, I extend my gratitude to all the members of TSI for electing me to the post of Secretary, TSI. I will do my bit to take up this challenging responsibility bestowed upon me with the guidance of my predecessors and support of all the EC members. I also take this opportunity to congratulate the newly elected office bearers and EC members of the Society elected through the online mode. As you may be aware, the Society has made significant progress during the tenure of the previous Executive Committee and it is a privilege as well as a challenge for the



current Executive Committee to continue the excellent work and take TSI to greater heights. In this endeavor our initiative towards Tribology education and training through the Summer Schools have been receiving a great response from industry and academia alike. Taking the feedback from the participants of summer school, TSI has taken a significant step to harness the power of Digital Technology by launching TriboConnect and TSI Technical Education Webinar Series, which are designed to provide deeper exposure on a given topic. These online webinars have received very good response from Tribology community in India, including many participants from outside India. TRIBOINDIA 2021, the sixth in the series of National Tribology Conference (NTC), was organized by Department of Mechanical Engineering, Saintgits College of Engineering (Autonomous), Kottayam, Kerala, under the aegis of the Tribology Society of India, from 2-4 December 2021. This conference in digital mode was a grand success. The new EC under the guidance of President, TSI and support of EC members is keen towards organizing such activities related to disseminating knowledge in the multi-faceted area of Tribology. Please feel free to contact us on info@tribologyindia.org with your ideas and suggestions to make the Society a vibrant forum for interactions and working together.

With best Regards,

Rajendra Mahapatra, Secretary - TSI

New TSI Executive Committee for term 2022 — 2023

Given below is the list of new Executive Committee Members of the Society, as per on-line election held in December 2021 and results declared by the Returning Officer, Dr (Mrs) Kavita Rai, in the TSI General Body Meeting held on 24 January 2022.



President, TSI Prof Satish V Kailas Indian Institute of Science, Bangalore



Secretary, TSI Mr Rajendra Mahapatra Indian Oil R&D Centre, Faridabad



Vice President, TSI Dr Barun Chakrabarti L&T Energy – Hydrocarbon, Mumbai



Jt. Secretary, TSI Dr T Singh Bharat Petroleum Corporation Ltd., R&D Centre, Mumbai



Jt. Secretary, TSI Dr Pankaj Bhatnagar Indian Oil R&D Centre, Faridabad



Vice President, TSI Mr Ajay Kumar Harinarain Indian Oil R&D Centre, Faridabad



Treasurer, TSI Mr Rahul B. Meshram Indian Oil R&D Centre, Faridabad





Executive Committee Member, TSI Formerly GM, Coal India Limited, Bilaspur

Dr S S V Ramakumar Past President & Ex Officio Member, TSI Indian Oil R&D Centre, Faridabad



Executive Committee Member, TSI Prof. Satish C. Sharma Indian Institute of Technology Roorkee, Haridwar



Executive Committee Member, TSI Mr Anjeeve George Danfoss Technologies Pvt. Ltd., Pune



Executive Committee Member, TSI Dr Ram Turaga Indian Institute of Science, Bangalore



Executive Committee Member, TSI Dr Mayank Tiwari Indian Institute of Technology Patna



Executive Committee Member, TSI Mr Rajesh Nambiar Indian Oil Corporation Limited, Mumbai



Executive Committee Member, TSI Mr Sreejit Banerjee Balmer Lawrie & Co. Ltd., Kolkata



Executive Committee Member, TSI Mr Ashish Khanna Hindustan Petroleum Corporation Limited, Mumbai



Executive Committee Member, TSI Dr A P Harsha Indian Institute of Technology (BHU) Varanasi



Executive Committee Member, TSI Prof Harpreet Singh Indian Institute of Technology Ropar, Rupnagar



Executive Committee Member, TSI Prof Vikas M Phalle Veermata Jijabai Technological Institute, Mumbai



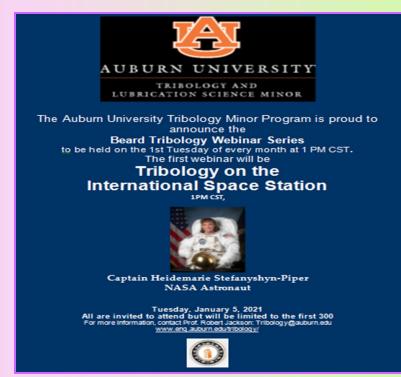
Executive Committee Member, TSI Mr P Pathak Research & Development Centre for Iron & Steel (RDCIS) SAIL, Ranchi

Tribo-Connect / TSI Technical Education Webinars

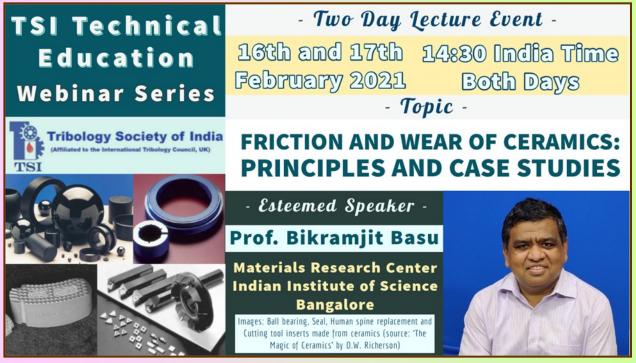
We have so far conducted the following Webinars over the last one year:

Tribology on the International Space Station: by Captain Heidemarie Stefanyshyn,

Piper NASA Astronaut, 5th January 2021

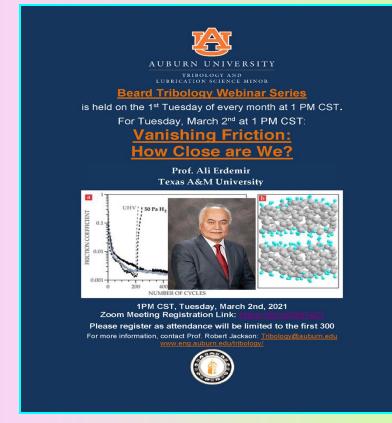


Friction and Wear of Ceramics - Principles and Case Studies: This 2-part webinar by Prof. Bikramjit Basu was organised on 16th and 17th February 2021



Vanishing Friction: A webinar by Prof Ali Erdemir of Texas A&M University, USA

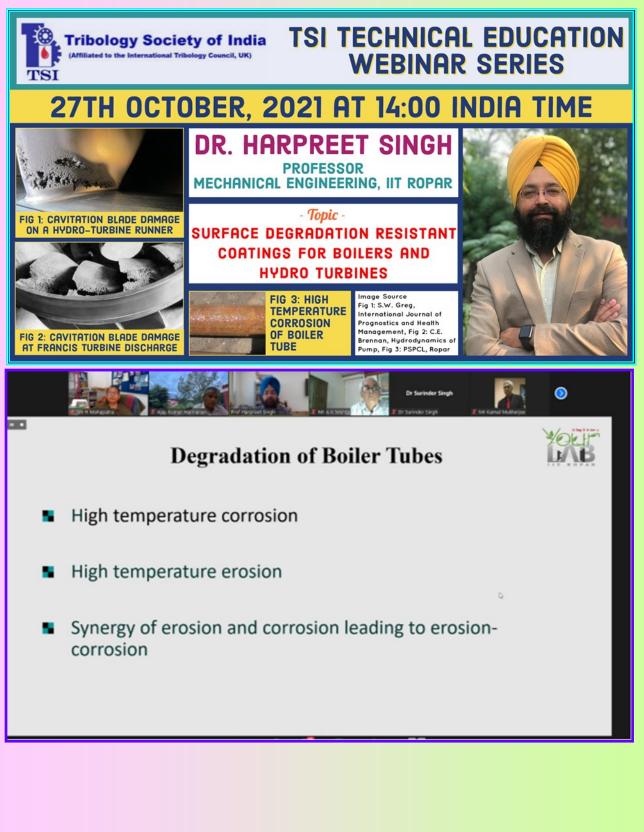
delivered on 2nd March 2021



Tribological Testing - What's the Problem ? : Webinar by Mr George Plint, Director, Phoenix Tribology, UK on 13th April 2021



Surface Degradation of Boiler Tubes : by Prof. Harpreet Singh, Mechanical Engineering Deptt., IIT Ropar on 27th October, 2021



Organisation of 13th TSI Summer School in Tribology

TSI Summer School in Tribology (SST), 13th edition of this flagship program of TSI, was organised in Virtual Mode during 31 August – 4 September, 2021. A total of 66 participants from Academia and 42 delegates from industry, across multiple locations, registered for the 13th SST.

The program covered 20 technical lectures and 7 guest lecturers from eminent faculty from industry and reputed academic institutions.



The programme was inaugurated by President (TSI), Dr SSV Ramakumar

Details of the technical program of 13th SST can be seen at the following link of TSI website: <u>https://www.tribologyindia.org/education_course_archives.htm</u>

On the 5th day, an on-line test of 1-hour duration, with multiple-choice questions, was organized. About 108 participants took the test through on-line mode. This was a unique experience for TSI as well as for the participants. On the last day of the event, a Concluding Session was organized, chaired by Dr Barun Chakrabarti, L&T Energy – Hydrocarbon and in presence of Mr Ajay Kumar Harinarain, IndianOil R&D Centre, Dr T Singh, BPCL R&D Centre, Mr Rajendra Mahapatra, IndianOil R&D and Mr A K Mehta, ED (TSI). As part of feedback interaction, the participants expressed their satisfaction and reiterated the usefulness of this virtual event, since a large number of participants from academia and industry were able to join.

We are happy to present the profiles of 26 young Tribology scholars who have completed their PhDs recently. TSI congratulates the budding Tribologists and wishes them the very best in their professional pursuits.



Name of Research Scholar: Dr. Vimal Edachery
 Title of Ph.D. Thesis: Influence of Surface Topography and Roughness on Lubrication, Friction and Scuffing in High Hardness Steels
 Name of the Supervisor: Prof. Satish V Kailas. Surface Interaction and Manufacturing Labor

Name of the Supervisor: Prof. Satish V Kailas, Surface Interaction and Manufacturing Laboratory, Department of Mechanical Engineering, Indian Institute of Science, Bangalore Year of Completion: 2021



Name of Research Scholar: Dr. Amit Jhalani Title of Ph.D. Thesis: Experimental studies on a stationary C.I. engine fuelled with gomutra emulsified diesel

Name of the Supervisor/Co-sup:Prof. Dilip Sharma - Malaviya National Institute of Techno-
logy Jaipur, Lt. Prof. S.L. Soni//Year of Completion: 2020



Name of Research Scholar: Dr. Sooraj Singh Rawat Title of Ph.D. Thesis: Tribological study on mineral and vegetable oils-based greases with nano-additives.

Name of the Supervisor/ Co-sup: Prof. A. P. Harsha, Department of Mechanical Engineering, Indian Institute of Technology (Banaras Hindu University) Varanasi, Dr. O. P. Khatri CSIR-Indian Institute of Petroleum, Dehradun. // Year of Completion: 2021



Name of Research Scholar: Tamonash Jana

Title of Ph.D. Thesis: Static and dynamic contact analysis of functionally graded rough surface

Name of the Supervisor: Dr. Anirban Mitra, Jadavpur University, Prof. Prasanta Sahoo,Jadavpur University//Year of Completion: 2021



Name of Research Scholar: Sudip BanerjeeTitle of Ph.D. Thesis: Tribological Behavior of Mg-WC Metal Matrix Nano-compositesName of the Supervisor/ Co-sup: Prof. Prasanta Sahoo, Jadavpur University, Prof. GoutamSutradhar, NIT Manipur//Year of Completion: 2021



Name of Research Scholar: Smrutiranjan Pradhan Title of Ph.D. Thesis: Tribological behaviour of Al-SiC metal matrix composite in corrosive environment.

Name of the Supervisor/ Co-sup: Prof. Prasanta Sahoo, Jadavpur University, Prof. TapanKumar Barman, Jadavpur University//Year of Completion: 2018



Name of Research Scholar: Suswagata PoriaTitle of Ph.D. Thesis: Study of Tribological Behavior of Al-TiB2 Metal Matrix CompositesName of the Supervisor/ Co-sup: Prof. Prasanta Sahoo, Jadavpur University Prof. Goutam Su-
tradhar, NIT Manipur//Year of Completion: 2018



Name of Research Scholar: Arkadeb Mukhopadhyay Title of Ph.D. Thesis: High Temperature Tribology of Borohydride Reduced Electroless Nickel Coatings

Name of the Supervisor: Prof. Tapan Kumar Barman, Jadavpur University, Prof. PrasantaSahoo, Jadavpur University//Year of Completion: 2018



Name of Research Scholar: Dr. Santanu Duari Title of Ph.D. Thesis: Friction and Wear Behavior of Electroless Nickel Coatings under Lubrication

Name of the Supervisor/ Co-sup: Dr. Tapan Kumar Barman and Dr. Prasanta Sahoo, Professor, Jadavpur University, Kolkata //Year of Completion: 2018



Name of Research Scholar: Sanjib Kundu Title of Ph.D. Thesis: Tribological Characterization of Electroless Ni-P Coatings under High Temperature

Name of the Supervisor: Prof. Prasanta Sahoo, Jadavpur University, Dr. Suman Kalyan Das,Jadavpur University //Year of Completion: 2019



Name of Research Scholar: Dr. Prashant Mittal Title of Ph.D. Thesis: In-Situ Microscopic Tribology of Near Eutectic Al-Si Alloy under Boundary Lubricated Conditions Name of the Supervisor/ Co-sup: Dr. Nitya Nand Gosvami, Assistant Professor, Department of Material Science and Engineering, IIT Delhi Year of Completion: 2021



Name of Research Scholar: Dr. Hemendra Patle
Title of Ph.D. Thesis: A Study on Light Metal (Mg/Al) Based Surface Composites Developed by Friction Stir Processing.
Name of the Supervisor/ Co-sup: Dr. Ravikumar Dumpala, Assistant Professor, Department of Mechanical Engineering, VNIT Nagpur
Year of Completion: 2021



Name of Research Scholar: Dr. Kaushik Hebbar Kannur Title of Ph.D. Thesis: Optimization of Nitrogen-Alloyed MoSx Coatings for Low Friction Applications Name of the Supervisor/ Co-Sup: Prof. Albano Cavaleiro, Professor, Dept. of Mechanical

Engg, University of Coimbra, Portugal , Dr. Christophe Heau, Senior Researcher, IREIS, HEF Groupe, France // Year of Completion: 2021



Name of Research Scholar: Dr. Ashutosh Kumar Title of Ph.D. Thesis: Effect of Non-Newtonian Lubricants on the Performance of Two-Axial Groove and Multi-Lobe Pressure Dam Bearing

Name of the Supervisor: Prof. S K Kakoty, IIT Guwahati // Year of Completion: 2020



Name of Research Scholar: Dr. Bipin Kumar Singh
Title of Ph.D. Thesis: Development and performance evaluation of self-lubricating zirconia toughened alumina ceramic inserts for machining of steel.
Name of the Supervisor: Dr. Nilrudra Mandal, Pr. Scientist, Materials Processing and Microsystems Laboratory, CSIR-CMERI, M. G. Avenue, Durgapur; Dr. S. S. Roy, Professor, Dept. of Mechanical Engg, NIT Durgapur, M. G. Avenue, Durgapur // Year of Completion: 2020



Name of Research Scholar: Vinay Saini

Title of Ph.D. Thesis: Nano-particles of solid lubricants for tribo-performance enhancement of oils

Name of the Supervisor: Prof. Jayashree Bijwe, IIT Delhi; Dr Sarita Seth & Dr SSV Ramaku-
mar, IndianOil R&D Centre, Faridabad //Year of Completion: 2021



Name of Research Scholar: Dr. Rajeev Nayan Gupta Title of Ph.D. Thesis: Tribological Studies of Bio-lubricants and Their Admixtures with Nano-Additives Name of the Supervisor: Prof. A. P. Harsha, IIT BHU Varanasi Year of Completion: 2018



Name of Research Scholar: Kamal Kumar Basumatary Title of Ph.D. Thesis: Gas Foil Bearing Integrated with Active Magnetic Bearing: Numerical Modelling and Analysis

Name of the Supervisor: Prof. S K. Kakoty (Deputy Director, IIT Guwahati), Prof. Karuna Ka-
lita (IIT Guwahati) //Year of Completion: 2020



Name of Research Scholar: Raj Kumar Singh

Title of Ph.D. Thesis: Mechanical Properties and High-Stress Abrasive Wear Behaviour of Al-Si Alloys and Composite Name of the Supervisor: Dr. Amit Telang, Assistant Professor, MANIT, Bhopal Co-Supervisor: Dr. S. Das, Former Adjunct Faculty at MANIT, Bhopal & IIT Kanpur, and Former Director, Advanced Materials & Processes Research Institute (AMPRI), Bhopal Year of Completion: 2018



Name of Research Scholar: Dr. Avinash Vitthal Borgaonkar Title of Ph.D. Thesis: : Insight Development on Tribological Characteristics of Molybdenum Disulphide-Titanium Dioxide as Soft Composite Coating Material for Machining Applications Name of the Supervisor: Dr. Syed Ismail, Assistant Professor, Mechanical Engineering Dept., National Institute of Technology Warangal, Telangana, India Year of Completion: 2021



Name of Research Scholar: Niranjan SinghTitle of Ph.D. Thesis: Influence of texture shapes on the performance of hydrodynamic bear-ing system under laminar flow regimeName of the Supervisor: Dr. R. K. Awasthi, Sardar Beant Singh State University, Gurdaspur,Punjab//Year of Completion: 2021



Name of Research Scholar: Niharika Gupta Title of Ph.D. Thesis: Tribological and Vibrational Studies of Textured Spur Gears Name of the Supervisor: Prof. Naresh Tandon (Emeritus Professor, Centre for Automotive Research and Tribology (Formerly ITMMEC IIT Delhi), New Delhi Co-Supervisor: Prof. R.K. Pandey, Professor, Department of Mechanical Engg, IIT Delhi Year of Completion: 2021



Name of Research Scholar: Deepak KumarTitle of Ph.D. Thesis: Micro and Nano Scale Tribology of Mg-9Al-1Zn Magnesium Alloy underDry and Lubricated ConditionsName of the Supervisor: Prof. Nitya Nand Gosvami (IIT Delhi)Co-supervisor: Prof. Jayant Jain (IIT Delhi)//Year of Completion: 2021



Name of Research Scholar: Dr. Mohd. Imran Ansari Title of Ph.D. Thesis: Experimental Investigation on Surface Properties of Electroless Ni-P/ ZnO Composite Coatings on AZ91 Magnesium Alloy Name of the Supervisor: Dr. D. G. Thakur; Professor & Head of the Department of Mechanical Engineering; Director - School of Robotics and Centre for Training & Placement, Defence Institute of Advanced Technology – DRDO (DU), Girinagar, Pune /Year of Completion: 2018



Name of Research Scholar: Omar Hussain

Title of Ph.D. Thesis: Evaluation and Enhancement of the Tribological Performance of UHMWPE for Biomedical Applications

Name of the Supervisor: Professor Dr Sheikh Shahid Saleem, Associate Professor, Department of Mechanical Engineering, NIT Srinagar//Year of Completion: 2022



Name of Research Scholar: Dr. Jibin T Philip

Title of Ph.D. Thesis: Numerical Modelling, Simulation and Experimental Investigations to Improve the Surface Tribological Properties of Ti6Al4V through Developing Electrical Discharge Alloying

Name of the Supervisor: Dr. Basil Kuriachen NIT Calicut, Kattangal, Kerala Year of Completion: 2021



Achievement of Senior Researcher in Tribology

Dr. Vikas Phalle is an Associate Professor in Mechanical Engineering Department and Former Head of Mechanical Engineering Department at V.J.T.I. Mumbai. He is also a QIP Coordinator and AICTE sponsored 'Margdarshan' Scheme coordinator. He has recently received the *AICTE Visvesvarya Best Teacher Award 2021* and *Dewang Mehta National Education Award* as "Best Professor in Mechanical Engineering Studies". Hearty Congratulations!



Prof. Prasanta Sahoo, Department of Mechanical Engineering, Jadavpur University has been awarded the prestigious *INSA Teacher Award (2021)* for his excellence in teaching and research in Tribology, designing new courses, writing textbooks and inspiring young scholars to take up careers in Science and Technology. Hearty Congratulations!

New Members of Tribology Society of India (January 2021 - January 2022)

Sr. #	LM #	Name	Affiliation
1	5989	Ms. Shipra Aggarwal	Indira Gandhi Delhi Technical University for Women, Delhi
2	5990	Mr. Abhishek Sahu	National Institute of Technology Raipur, Chhattisgarh
3	5991	Dr. Jayashree Baral	Maulana Azad National Institute of Technology Bhopal, Madhya Pradesh
4	5992	Mr. P. Deiva Balan	Formerly of Hanon Automotive Systems India Pvt Ltd, Chennai, Tamil Nadu
5	5993	Dr. Pragya Tripathi	Indian Institute of Science Bangalore, Karnataka
6	5994	Prof. P Baskara Sethupathi	SRM Institute of Science and Technology, Chennai, Tamil Nadu
7	5995	Mr. Sudeep Prakash	Omega Renk Bearing Pvt. Ltd., Bhopal, Madhya Pradesh
8	5996	Mr. Anshuman Agrawal	Minimac Systems Pvt. Ltd., Pune, Maharashtra
9	5997	Mr. Dudekula Nazeer Basha	International Advanced Research Centre (ARCI), Hy- derabad, Telangana
10	S-5998	Mr. Mohd. Talib Sameer Khan N	Birla Institute of Technology and Science, Pilani - Goa Campus, Goa
11	S-5999	Mr. Arun Kumar	Indian Institute of Technology Kanpur, Uttar Pradesh
12	S-6000	Ms. Sarita Bharti	Indian Institute of Technology Guwahati, Assam
13	6001	Mr. Sudhakar Majhi	Indira Gandhi Institute Of Technology, Sarang, Odisha
14	S-6002	Mr. Manoj Kumar Maurya	Indian Institute of Technology Kanpur, Uttar Pradesh
15	S-6003	Mr. Hara Prakash Mishra	National Institute of Technology Rourkela, Odisha
16	S-6004	Mr. Kuldeep Narwat	Pandit Deendayal Energy University, Gujarat
17	S-6005	Mr. Yogesh Kumar Yadav	National Institute of Technology Hamirpur, Himachal Pradesh
18	6006	Mr. Divyansh Mittal	Punjab Engineering College, Chandigarh, Haryana
19	S-6007	Mr. Susheel Kumar	Indian Institute of Technology Kanpur, Uttar Pradesh
20	S-6008	Mr. Ajay Kumar	Indian Institute of Technology Kanpur, Uttar Pradesh
21	6009	Mr. Suvendu Mohanty	Indian Institute of Technology Agartala, Tripura
22	S-6010	Ms. Qurat -Ul-Ain	National Institute of Technology Srinagar, Jammu & Kashmir
23	S-6011	Mr. Avinash Mandarha	Veermata Jijabai Technological Institute, Mumbai, Maharashtra
24	6012	Ms. Jeyalakshmi P	Indian Institute of Technology Madras, Tamil Nadu
25	S-6013	Mr. Harsh Kumar	Indian Institute of Technology Patna, Bihar

Sr. #	LM #	Name	Affiliation
			Affiliation
26	S-6014	Mr. Ritesh Sharma	National Institute of Technology Hamirpur,
			Himachal Pradesh
27	S-6015	Mr. Arko Biswas	Indian Institute of Technology Kanpur, Uttar
			Pradesh
28	6016	Prof. Bhavin N. Bhimani	Marwadi University, Rajkot, Gujarat
20	(047	Da Mallikariwa akari C	
29	6017	Dr. Mallikarjunachari G	Madanapalle Institute of Technology and Science,
			Chittoor, Andhra Pradesh
30	6018	Dr. Pradeep Kumar Krishnan	National University of Science and Technology,
			Coimbatore, Tamil Nadu
31	S-6019	Mr. Vimal Edachery	Indian Institute of Science Bangalore, Karnataka
32	6020	Mr. Naitik L. Mehta	Marwadi University, Rajkot, Gujarat
JZ	0020	MI. Haltik E. Melita	Marwadi Oniversity, Najkot, Odjarat
33	6021	Dr. Pradeep Kumar GS	CHRIST University, Kumbalgodu , Karnataka
34	6022	Mr. Ajay Pratap Singh Lodhi	Indian Institute of Technology Delhi, New Delhi
35	6023	Mr. Suhail Ansari	RCG Instruments, Pune, Maharashtra
36	6024	Mr. Rahul B. Meshram	Indian Oil Corporation Limited, R&D Centre,
			Faridabad, Haryana
37	6025	Dr. Pankaj Kumar Gupta	Malaviya National Institute of Technology Jaipur,
			Rajasthan
38			Gulf Oil Lubricants India Limited, Chennai,
30	6026	Mr. D Vinod Kumar	Tamil Nadu
39	6027	Mr. Jencen Mathai Arivan- noor	
27			Gulf Oil Lubricants India Limited, Chennai,
10			Tamil Nadu
40	6028	Mr. Vinith Kumar S.	Gulf Oil Lubricants India Limited, Chennai,
	0020		Tamil Nadu
41	6029	Dr. Bhore Skylab P.	MNNIT Allahabad, Prayagraj, Uttar Pradesh

Converted Members from Student to Life Membership during January 2021 - January 2022

Sr. #	LM #	Name	Affiliation
1	5158	Dr. Sanjay Singh Rathore	Shri Vishwakarma Skill University, Gurugram, Haryana
2	5388	Dr. Vikash Gautam	Swami Keshvanand Institute of Technology, Jaipur, Rajasthan
3	5795	Dr. Niharika Gupta	Indian Institute of Technology Delhi, New Delhi
4	5890	Dr. Ankitendran Mishra	Indian Institute of Technology (Banaras Hindu University) Varanasi, Uttar Pradesh
5	5953	Dr. Vinay Saini	Indian Institute of Technology Delhi, New Delhi

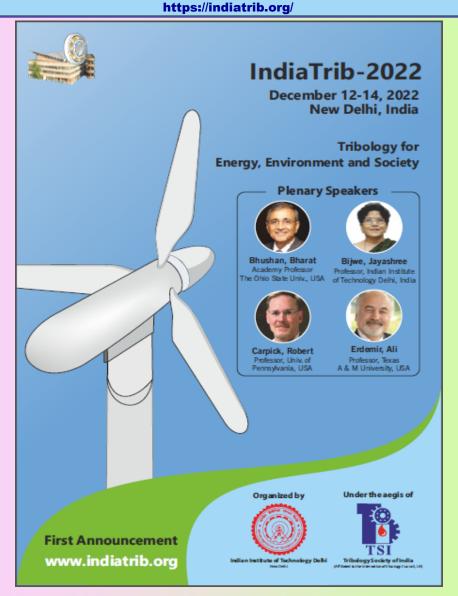
🔆 We extend our hearty welcome to the new Members and look forward to their active contribution in TSI activities 🔆

Organization of "IndiaTrib – 2022" (12-14 December, 2022) by the Department of Mechanical Engineering, Indian Institute of Technology—Delhi (IIT Delhi), New Delhi under the aegis of Tribology Society of India

About IndiaTrib-2022

IndiaTrib-2022 is the upcoming mega tribology event in the series and will be the 11th International Conference on Industrial Tribology (ICIT) being organised by the Tribology Society of India since the year 1997 when the first International Conference on Industrial Tribology was organised at Kolkata. The last IndiaTrib conference was organized in 2019 at the Indian Institute of Science, Bangalore.

IndiaTrib-2022 is being organised by the Indian Institute of Technology Delhi (I.I.T. Delhi), during December 12-14, 2022 in Delhi, India's capital city. The theme of the conference is "Tribology for Energy, Environment and Society".



Complete details of IndiaTrib-2022 can be viewed on TSI website at : https://www.tribologyindia.org/pdf/india_trib_2022_brochure_2ndannouncement_15may_tsi.pdf



Venue: IndianOil Institute of Petroleum Management (IiPM), Gurugram,

Haryana

https://www.tribologyindia.org/pdf/14th-summer-school-in-tribology-new.pdf

- All Members are invited to send their publication materials, suggestions and feedback to Mr. A. K. Mehta, ED (TSI) at the email ID: <u>office.tsi@tribologyindia.org</u>
- Compiled by Mr. A. K. Mehta, ED (TSI) and Edited by Dr. Barun Chakrabarti, Vice President (TSI), on behalf of Tribology Society of India. This publication is for free circulation among TSI Members.

