



9th SUMMER SCHOOL IN TRIBOLOGY
Venue: IIPM , Gurgaon : Duration: 19-23 June , 2017

Programme Schedule

19th June, 2017

INAUGURAL SESSION

09:30 – 10:30 hrs. Inaugural Session-

Chief Guest : President TSI
Guest of Honour : DST Rep.
Guest Of Honour: ED IIPM
Secy. TSI

10:30 – 11:00 hrs. Group Photograph & High Tea

11:00 – 12:15 hrs. Tech. Session 1

Theme : Basics of Tribology
Speaker: Prof. Satish V Kailas, Indian Institute of Science,
Bangalore

12:15 – 13:30 hrs. Tech. Session 2

Theme: Nano Tribology
Speaker: Prof Sujeet K Sinha, IIT Delhi

13:30 –14:15 hrs. Lunch Break

14:15 – 15:30 hrs. Tech. Session 3

Theme : Basics of Fluid Film Lubrication
Speaker: Prof Satish C Sharma, IIT Roorkee

15:30 – 15:45 hrs. Tea Break

15:45 – 17:00 hrs. Tech. Session 4

Theme: Tribology of Machine Elements
Speaker: Prof Ram Turaga, IISc, Bangalore

1700-18:15 hrs. Guest Lecture

Theme: Materials Tribology
Speaker: Dr B Venkataraman, DMRL Hyderabad



20th June , 2017

09:00 – 10:15 hrs. Tech. Session 5

Theme : Surface Characterisation in Tribology
Speaker: Prof Nitya Nand Gosvami, IIT Delhi

10:15 – 11:30 hrs. Tech. Session 6

Theme : Bio Tribology
Speaker: Prof A P Harsha, IIT BHU, Varanasi

11:30 – 11:45 hrs. Tea Break

11: 45 – 13:00 hrs. Theme Session 7

Theme : Wear Characterization of Materials
Speaker: Prof C S Ramesh, Alliance University, Bangalore

13:00 – 13:45 hrs. Lunch Break

13:45 – 15:00 hrs. Tech. Session 8

Industrial Lubrication Practices and related Case Studies
Speaker: Dr Anand Prabhakaran, Tata Steel, Jamshedpur .

15:15 – 15:30 hrs. Tea Break

15:30 – 16:45 hrs. Tech. Session 9

Theme: Condition Monitoring through Oil Analysis
Speaker: Mr Deepak Sharma, Kittiwake Proactive Tech. P Ltd.
New Delhi

16:45 – 18:00 hrs Tech. Session 10 .

Tribology in Steel Plants : Case Studies
Mr P Pathak, DGM RDCIS, SAIL Ranchi



21st June 2017

- 09:00-10:15 hrs. Tech. Session 11**
Theme : Tribology & Rheology of Lubricating Greases
Speaker: Dr. Naveen Pokhriyal, IndianOil (R&D), Faridabad
- 10:15 – 11:30 hrs. Tech. Session 12**
Theme: Role of Corrosion in Tribology
Speaker: Prof. V S Raja, IIT Bombay, Mumbai
- 11:30 – 11:45 hrs. Tea Break**
- 1145 – 13:00 hrs. Tech. Session 13**
Theme : Lubricants - Chemistry of Base Oils, Additives and Formulated Lubricants
Speaker: Dr. Sarita Garg , Indian Oil R&D , Faridabad
- 13:00 – 13:45 hrs. Lunch Break**
- 13:45 -15:00 hrs. Tech. Session 14**
Theme : Non Destructive Testing in Tribology
Speaker: Mr. Ramakrishnan. S. , L&T Hydrocarbon Engg. Mumbai
- 15:00– 15:15 hrs. Tea Break**
- 15:15 – 16:30 hrs. Tech. Session 15**
Theme: Tribology of Gears and Bearings
Speaker: Mr S R Durugkar, L&T Hydrocarbon Engg., Mumbai
- 1630 -1745 hrs Tech. Session 16**
Tribology in Mining Industry-Case Studies
Speaker: Mr. Kamal Mukherjee, Former GM, SECL Korba



22nd June , 2016

09:00 – 10:15 hrs. Tech. Session 17

Theme: Automotive Tribology

Speaker: Dr Reji Mathai, IndianOil, (R&D), Faridabad

10:15 – 11:30 hrs. Tech. Session 18

Theme: Tribo - Testing and Performance Evaluation of Lubricants & Materials

Speaker: Mr Ajay K Harinarain, IndianOil, (R&D), Faridabad

11:30 – 11:45 hrs. Tea Break

11:45 – 13:00 hrs. Tech. Session 19

Theme: Techniques for Tribochemistry

Speaker: Dr J Christopher, Indian Oil R&D, Faridabad

13:00 – 13:45 hrs. Lunch Break

13:45-15:00 hrs Technical Session 20

Theme: Tribology of Hydraulic Pumps and Compressors

Speaker: Mr Anjeeve George, Eaton India, Pune

15:00 - 15:15 hrs Tea Break

15:15 -16:30 hrs. Tech. Session 21

Theme: Condition Monitoring and Diagnostics

Speaker: Dr Barun Chakrabarti, L&T Hydrocarbon Engg, Mumbai

16:30 - 17:45 hrs Project Work Briefing

Mr Ajay K Harinarain , Secy TSI



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23rd June, 2016

09:00 – 11:00 hrs. Examination with Objective Type MCQs based on the topics covered

11:00 – 11:30 hrs. Tea Break

11:30 – 13:00 hrs. Concluding & Feedback Session

Chief Guest : from DST

Dr Barun Chakrabarti, Vice President, TSI

Dr Pankaj Bhatnagar, Jt Secretary TSI and

liPM Coordinator for 9th SST

ED TSI

13:00 – 14:00 hrs. Closure of 8th SST with lunch