

11th SUMMER SCHOOL IN TRIBOLOGY
Venue: IIPM , Gurugram: Duration: 14-18 May, 2019

Programme Schedule

14th May, 2019

INAUGURAL SESSION

09:30 – 10:30 hrs. Inaugural Session-

Dr SSV Ramakumar, Dir-IOC R&D and President TSI,
Dr Deepak Saxena, ED IOC R&D, Mr CK Tiwari, ED IIPM,
Mr Ajay Kumar Harinarain, Secy. TSI, Mr AK Mehta, ED 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, IISc, Bangalore

12:15 – 13:30 hrs. Tech. Session 2

Theme : Lubricants - Chemistry of Base Oils, Additives and
Formulated Lubricants
Speaker: Dr. Sarita Garg , IOC R&D , Faridabad

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: Surface Topography and Wear of components
Speaker: Prof Mayank Tiwari, IIT Patna

1700-18:15 hrs. Guest Lecture on “ Space Tribology ”

Speaker: Prof N Vedachalam, formerly, ISRO, Thiruvananthapuram

15th May, 2019

09:00 – 10:15 hrs. Tech. Session 5

Theme : Surface Characterisation in Tribology
Speaker: Prof M S Bobji, IISc, Bangalore

10:15 – 11:30 hrs. Tech. Session 6

Theme: Condition Monitoring and Diagnostics
Speaker: Dr Barun Chakrabarti, L&T Hydrocarbon Engg

11:30 – 11:45 hrs. Tea Break

11: 45 – 13:00 hrs. Theme Session 7

Theme: Automotive Tribology
Speaker: Dr Reji Mathai, IndianOil, (R&D)

13:00 – 13:45 hrs. Lunch Break

13:45 – 15:00 hrs. Tech. Session 8

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

15:00 – 15:15 hrs. Tea Break

15:15 – 16:30 hrs. Tech. Session 9

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

**16:45 – 18:00 hrs Guest Lecture on Materials Tribology.
Prof B Venkataramanan, DMRL, Hyderabad**

16th May, 2019

- 09:00-10:15 hrs. Tech. Session 10**
Theme: Nano Tribology
Speaker: Prof Nityanand Gosvami, IIT Delhi
- 10:15 – 11:30 hrs. Tech. Session 11**
Theme: Role of Corrosion in Tribology
Speaker: Dr C Kannan IOC R&D
- 11:30 – 11:45 hrs. Tea Break**
- 1145 – 13:00 hrs. Tech. Session 12**
Theme : Tribology & Rheology of Lubricating Greases
Speaker: Dr. Naveen Pokhriyal, IndianOil (R&D)
- 13:00 – 13:45 hrs. Lunch Break**
- 13:45 -15:00 hrs. Tech. Session 13**
Theme : Bio Tribology
Speaker: Prof A P Harsha, IIT BHU, Varanasi
- 15:00– 15:15 hrs. Tea Break**
- 15:15 – 16:30 hrs. Tech. Session 14**
Theme: Techniques for Tribochemistry
Speaker: Dr J Christopher, Indian oil R&D, Faridabad
- 1630 -1745 hrs Guest Lecture : Tribology in Mining Industry-Case Studies**
Speaker: Mr. Kamal Mukherjee, Former GM, Coal India Limited

17th May, 2019

09:00 – 10:15 hrs. Tech. Session 15

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

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

10:15 – 11:30 hrs. Tech. Session 16

Theme: Condition Monitoring through Oil Analysis

Speaker: Dr S Fatima, ITMMEC, IIT Delhi

11:30 – 11:45 hrs. Tea Break

11:45 – 13:00 hrs. Tech. Session 17

Theme: Tribology of Hydraulic Pumps and Compressors

Speaker: Mr Anjeeve George, Eaton India

13:00 – 13:45 hrs. Lunch Break

13:45-15:00 hrs Technical Session 18

Theme: Tribology of Rolling Element Bearings

Speaker: Mr SPRS Negi, Schaeffler India, Vadodara

15:00 - 15:15 hrs Tea Break

15:15 -16:45 hrs. Technical Session 19

Gear Tribology

Mr S R Durugkar, L&T Hydrocarbon Engg, Mumbai

1645-1700 hrs : Project Work Briefing by Ajay K Harinarain, Secretary TSI

1700-1830 hrs : Guest Lecture “Sugar Mill Lubrication – Case Studies”

by Dr Tarunendr Singh, Bharat Petroleum Corporation Ltd

18th May, 2019

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

Mr Anand Kumar, Former Dir-IOC R&D, Mr S Acharya, GM liPM,
Mr Ajay Kumar, Secretary TSI, Dr T Singh, Jt. Secretary TSI,
ED TSI

13:00 – 14:00 hrs. Lunch and Closure of 11th SST

Looking forward to meet your colleagues at 12th SST.....