

03rd SUMMER SCHOOL IN TRIBOLOGY
Venue: liPM, Gurgaon ; Duration: 20th – 23rd June, 2011

Programme Schedule

20th June, 2011

INAUGURAL SESSION

09:30 – 10:30 hr. Welcome Address

Mr. N. K. Bansal, Executive Director (liPM), IOCL

About the Programme

Dr. K. P. Naithani, Chairman TSI, Delhi Chapter and ED (R & D), IOCL

Inaugural Address and Theme Lecture

Dr. D. V. Singh, Ex Vice Chancellor, IIT, Roorkee

Vote of Thanks

Dr. Har Prashad, Former DGM (Tribology), R & D, BHEL

10:30 – 11:00 hr. Group Photograph & Hi Tea

11:00 – 12:30 hr. Session 1

Theme : Introduction to Tribology and Its Economic Impact

Speaker: Dr. Har Prashad, Former DGM (Tribology), R & D, BHEL

12:30 – 13:30 hr. Lunch Break

13:30 – 15:00 hr. Session 2

Theme : Basics of Friction, Wear and Lubrication

Speaker: Prof. A. Sethuramiah, Former Prof. ITMMEC, IIT Delhi

15:00 – 16:00 hr. Session 3

Theme : Environmental Aspects of Lubrication

Speaker: Dr. J. Bhatia, Envirotech, Mumbai

16:00 – 16:30 hr. Tea Break

16:30 – 17:30 hr. Session 4

Theme : Tribology Education in India

Speaker: Dr. Satish V. Kailas, Professor, IISc, Bangalore

17:30 – 18:15 hr. Special Session

Theme : Wear Prone Materials and their Prevention in Steel, Cement and Coal Industries

Speaker: Dr. Ram Avtar, GM, RDCIS, Ranchi

18:15 – 19:00 hr. Special Session

Theme : TSI – Its New Initiatives

Speaker: Mr. A. K. Mehta, Executive Director, TSI

21st June, 2011

- 09:00 – 10:00 hr. Session 5**
Theme : Grease Technology
Speaker: Dr. K. P. Naithani, Chairman TSI and ED (R & D), IOCL
- 10:00 – 11:00 hr. Session 6**
Theme : Rolling Element Bearings
Speaker: Mr. S. Dampur, NEI, Jaipur
- 11:00 – 11:30 hr. Tea Break**
- 11:30 – 12:30 hr. Session 7**
Theme : Fluid Film Lubrication
Speaker: Prof. S. C. Sharma, IIT, Roorkee
- 12:30 – 13:30 hr. Session 8**
Theme : Gear Lubrication
Speaker: Dr. B. Chakraborty, Secretary, TSI and Joint GM (R & D), L & T
Mumbai
- 13:30 – 14:30 hr. Lunch Break**
- 14:30 – 15:30 hr. Session 9**
Theme: Industrial Lubrication Practices
Speaker: Dr. A. Prabhakaran, Sectional Head, Tribology Group,
Tata Steel
- 15:30 – 16:30 hr. Session 10**
Theme : Failure Analysis of Gears & Bearings- trouble shooting their of
Speaker: Dr. A. Prabhakaran, Sectional Head, Tribology Group,
Tata Steel
- 16:30 – 17:00 hr. Tea Break**
- 17:00 – 18:00 hr. Special Session**
Theme : Application of NDT in Tribology
Speaker: Dr. Krishnan Bala Sbhramaniam, Professor, IIT Madras
- 18:00 – 19:00 hr. Project Work – Part I**
Presentation by Participants on “*Current Status of UG / PG Tribology
Education and Future Plans*”

22nd June, 2011

- 09:00 – 10:00 hr. Session 11**
Theme : Tribological Testing
Speaker: Mr Ajay Kumar, Senior Manager, R & D Centre, IOCL
- 10:00 – 11:00 hr. Session 12**
Theme : Nano Tribology & Tribology in 21st Century
Speaker: Dr. Satish V. Kailas, Professor, IISc, Bangalore
- 11:00 – 11:15 hr. Tea Break**
- 11:15 – 12:00 hr. Session 13**
Theme : Analytical Techniques in Modern Tribology
Speaker: Dr. M. I. S. Sastry, Chief Manager, R & D Centre, IOCL
- 12:00 – 13:00 hr. Session 14**
Theme : Lubricating Oils and Additives
Speaker: Dr. R. T. Mookken, GM (LT), R & D Centre, IOCL
- 13:00 – 13:45 hr. Lunch Break**
- 14:00 – 15:00 hr. Start from liPM by Bus and reach R & D Centre, IOCL at Faridabad**
- 15:15 – 17:00 hr. Visit to Laboratories at R & D Centre, IOCL**
- 17:00 – 17:30 hr. Tea Break**
- 17:30 – 18:45 hr. Start from R & D Centre, Faridabad by Bus and reach liPM at Gurgaon**

23rd June, 2011

- 09:00 – 10:00 hr. Session 15**
Theme : Automotive Lubrication
Speaker: Mr. R. Suresh, GM, Technical Services, Marketing, IOCL
- 10:00 – 11:00 hr. Session 16**
Theme : Coatings for Wear Protection
Speaker: Dr. S. V. Joshi, Associate Director, ARCI, Hyderabad
- 11:00 – 11:30 hr. Tea Break**
- 11:30 – 12:30 hr. Session 17**
Theme : Oil Condition Monitoring
Speaker: Mr. Deepak Sharma, Kittiwake, Delhi
- 12:30 – 13:30 hr. Lunch Break**
- 13:30 – 14:45 hr. Project Work – Part II**
Presentation by Participants on “*Current Status of UG / PG Tribology Education and Future Plans*”
- 14:45 – 15:00 hr. Break**
- 15:00 – 16:00 hr. Valedictory Session**

Feed Back

Mr. N. K. Bansal, ED (liPM),

Speech by Guest of Honour

Mr. Anand Kumar, Director, Petrotech Society,

Valedictory Lecture on “*Mission Tribology – Spreading Tribology Awareness Across India*” by Chief Guest

Dr. S. K. Biswas, Professor, IISc, Bangalore,

Certificate Distribution

Vote of Thanks

Mr. Ajay Kumar Harinarain, Joint Secretary, TSI and SRM (R & D), IOCL

- 16:00 – 17:00 hr. Hi Tea**