

Timings

Registration will start at 9 A.M.

Seminar will start at 10 A.M. and end at 5:30 P.M.

Registration Charges

IChE Members and Academics/Researchers	Rs. 500 per participant
Member Student	Rs. 250 per participant
Non-Member Student	Rs. 300 per participant
Corporate Participants and others	Rs. 1,000 per participant
Corporate Participants (in batch of 3)	Rs. 2500 per 3 participants

Last Date for Registration: 7th March 2015 (Restricted Spot Registration)

Organizing Secretary

Sushanta K Roy

Hony. Regional Secretary - CRC, IChE
(Off.) 033 2414 46071
(M) +91 98310 38093
roy.sushantak@gmail.com

Organizing Committee

Prof. S. K. Das; Past Chairman; CRC - IChE
Prof. B. K. Dutta; CRC - IChE
Prof. Swami Vedajanda; CRC - IChE
Prof. Chiranjib Bhattacharyya; CRC - IChE
Dr. Sarmistha Bose; CRC - IChE
Mr. K. K. Das; CRC - IChE

Registration

Please send the filled in Nomination form along with Registration Fee to the attention of **Mr. Asok Kumar Das, Chairman, CRC - IChE**, by at par Cheque / Demand Draft payable at Kolkata in favour of "Calcutta Regional Centre, Indian Institute of Chemical Engineers".



ONE DAY NATIONAL SEMINAR

on

Trends in Petroleum-based Lubricants and Its Condition Monitoring Practices in Industries



Organized by



**Indian Institute of Chemical Engineers
Calcutta Regional Centre**

on

Saturday, 14th March 2015

at

IChE Auditorium

Dr. H. L. Roy Building, Jadavpur University Campus,
Kolkata-700032

|| Prelude

Indian Institute of Chemical Engineers is a confluence of streams of professionals from academia, research institute and industry. It provides them the appropriate forum for joint endeavors, hand-in-hand, to work for human being through application of chemical engineering and allied sciences. It made a modest beginning in 1947 with only 30 members under the leadership of Dr. Hira Lal Roy, the founding father of Chemical Engineering education and research in India. Calcutta Regional Centre (CRC) was the first Regional Centre and was established in 1959. Over the last five decades, CRC has grown to emerge as one of the leading and resourceful Regional Centre with support and patronage of different academic Institutes, Industrial Organizations and Government bodies.

CRC has since been an active centre and uphold the vision and mission of the Institute through technical and professional meetings, organizing seminars, conferences, technical lectures, workshops on areas relevant to the profession for exchange of professional experiences on common platform for mutual benefits.

|| Background

The global competitiveness has led to the challenges of operational effectiveness in all respects and is focusing on increased awareness to reduce cost of production by increasing the machine availability. Today the responsibility of maintenance engineers is to ensure reduction in number and frequency of equipment failure. Plant equipment and machinery maintenance practices have greatly changed and lubricant based predictive maintenance has evolved over the last 20 years. India is the fifth largest consumer of lubricants that includes greases as well in the world and per annum consumption of lubricant in India is approx. 1.2 mn ton. Hence, it is imperative that a plant manager, irrespective of which engineering discipline he belongs to is abreast with current trends in lubricant based maintenance of plants and machineries and to do a justice, knowledge of different types of petroleum-based lubricants is essential for all practitioner engineers. Petroleum-based lubricant plays a vital role in maintaining the health of any rotary equipment irrespective of industry and is lifeblood of equipment.

Also, the Petroleum-based lubricant and its role and importance in equipment maintenance and operational effectiveness are little taught in academic curriculum. The purpose of the seminar is also aimed at to augment basic knowledge on lubricants of different sources, its uses and important roles in industry etc for the students, academicians and largely for the working professionals. The challenges on trends in lubricant based condition monitoring practices of various process equipment and tribological components are the topics of the year.

|| Objectives

The lubrication challenges at major steel, engineering and chemical manufacturing and processing plants include continuous operation, temperature extremes, and contamination from chemicals, water and particulates. For equipment to continue running without interruption, the lubricant has to perform, despite all of the challenging conditions. Keeping your tribological components in rotary compressors, centrifugal compressors, ammonia chillers, hydraulic systems, pumps, electric motors and other equipment running efficiently can be a challenge if you are not investing in a lubricant reliability program.

Protect your bottom line by investing in industrial lubricants that exceed specifications and in reliability products that keep the lubricants dry and contaminant-free throughout their expected life. In doing so, you will protect your equipment from unplanned downtime and costly repairs. These investments will pay for themselves by:

- Lengthening the lifespan of lubricant and equipment
- Increasing productivity
- Reducing maintenance downtime
- Reducing energy consumption
- Extending oil change intervals
- Decreasing waste lubricants

To ensure operational success, look for lubricants that exceed the specifications for your equipment and to implement a comprehensive program tailored to your organization's needs and thereby **extend operational life of tribological components used in steel, mining, cement, chemical and other manufacturing / processing industries.**

|| Who should Attend the Seminar

The seminar is specially designed for wide audience, including middle / junior level practicing engineers from heavy and process industry, marketing professionals in lube industries to build strengths in basics of petroleum-based lubricants and its role play, final year graduate and diploma engineering students of Chemical, Mechanical and Metallurgical engineering, academicians and researchers. The seminar is aimed at giving an overview of trends, uses and importance of petroleum-based lubricants and lubricants of other sources prevalent in industry as well as case studies on lubricant based condition monitoring practices in industries from experts in the field with rich industrial experiences.

|| Speakers

Eminent and experienced speakers from:

- Lubricant Manufacturers
- Professionals from Industries and Design Houses
- Academicians and Professionals from Institute of repute
- Lube Based Condition Monitoring Service Providers



REGISTRATION FORM

ONE DAY NATIONAL SEMINAR

on

Trends in Petroleum-based Lubricants and Its Condition Monitoring Practices in Industries

14th March 2015

at IChE Auditorium, Dr. H L Roy Building

Jadavpur University Campus, Raja S. C. Mullick Road, Kolkata - 700 032

Time of Registration : 9.00 A.M. - 10.00 A.M.

Name (Block Letters) :

Name of Organisation / Institution :

Designation :

Whether member of IChE : Yes / No.

If Yes, Membership No. of IChE :

Address :

.....

City : Pin :

Mobile No. : Tel :

E-mail : Vegetarian Non-vegetarian

Details for Cheque/Draft :

Cheque / Draft No. : Date :

Issue Bank :

Signature with Company Seal :

Notes :

1. Cheque / Draft may please be drawn in favour of "CALCUTTA REGIONAL CENTRE, INDIAN INSTITUTE OF CHEMICAL ENGINEERS".
2. Please send the duly filled form for attention of :
Asoke Kr. Das, Chairman, Calcutta Regional Centre, Indian Institute of Chemical Engineers in the address mentioned above.

Registration fees

Corporate participants & others Rs. 1000/-
Rs. 2500/- for corporate participants in a group of 3.

Sponsorship and Advertisement Tariff

Lunch & High Tea - Rs. 25000/-
(2 Free participants)
Advt. (Half Page) / Banner - Rs. 5000/-