



ThermoFisher
SCIENTIFIC

National Center for Nanomaterials and Nanotechnology, University of Mumbai

One Day Workshop on “Rheology for Nanotechnology” on 9th Dec, 2010

National Center for Nanomaterials and Nanotechnology, University of Mumbai, and Thermo Fisher Scientific, India, jointly announce a one day workshop on “Rheology for Nanotechnology”.

Rheology is the science of *deformation* and *flow* of matter under controlled testing conditions. Rheological studies can give information on yield stresses, viscoelastic effects, structural memory effects, shear thickening and shear thinning.

- The workshop aims at introducing and training researchers/engineers on Rheology of various viscous materials as well as polymers.
- Understand the kinds of flow and deformation effects exhibited by complex systems.
- Apply qualitative rheological knowledge to diagnostic, design or optimization of problems.
- In diagnostic, design or optimization of problems, use or devise quantitative analytical tools that correctly captures rheological effects.

Topics to be covered:

- Ø Basics on Rheology
- Ø Rheometry Instrumentation
- Ø Basic concepts of Nanotechnology
- Ø Nano-synthesis and characterization
- Ø Applications of Rheology in Nanotechnology

Venue

Pherozshah Mehta Bhavan Auditorium, Vidyanagari, Kalina, Santacruz (E), Mumbai- 400098

Workshop Agenda

9th Dec, 2010

- 09:00-09:45 Registration & High Tea
- 09:45-10:00 Introduction
- 10:00- 11:00 **Basics on Rheology and Viscoelasticity** by **Dr. Fritz Soergel**
- 11:00- 11:30 Tea Break
- 11:30-12:45 **Rheometry Instrumentation** by **Dr. Fritz Soergel**
- 12:45-14:00 Lunch Break
- 14:00-14:30 **Video presentation on Rheology**
- 14:30-15:30 **Basic concepts of Nanotechnology** by **Prof. D. C. Kothari**
- 15:30-15:45 Tea Brea
- 15:45-16:15 **Nano-synthesis and characterization** by **Dr. Markus Meyer**
- 16:15-16:45 **Applications of Rheology in Nanotechnology** by **Dr. Fritz Soergel**
- 16:45-17:15 **Q&A Session**

Speakers

- Dr. Fritz Soergel,** Senior Application Specialist, Thermo Fisher Scientific, Germany.
- Prof. D. C. Kothari** Coordinator, National Center for Nanomaterials and Nanotechnology, University of Mumbai, Mumbai.
- Dr. Markus Meyer** Netzsch Analyzing & Testing, Germany.

Registration: Free of Charge. Open to Scientists, Engineers, Faculty members and PhD Students. Participation Certificate will be given to the registered participants.

Limited Seats: Registration on First Come first served basis. **Contact on or before 30th Nov, 2010:**

<p>Thermo Fisher Scientific Plot no C-327, TTC Industrial Area,Pawne, Navi Mumbai - 400 705 Tel: +91 22 4157 8819 Fax: +91 22 4157 8801</p> <p>Contact Persons: Ms. Deepti Nair</p> <p>deepti.nair@thermofisher.com +91 22 4157 8819</p>	<p>National Center For Nanomaterials and Nanotechnology, University of Mumbai, Santacruz (East), Vidyanagari, Mumbai 400 098, INDIA</p> <p>Contact person: Mr. Chetan Gurada</p> <p>chetan@nano.mu.ac.in, chetan101@gmail.com 9869197376</p>
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From: **Prof. D. C. Kothari**, Coordinator, National Center for Nanomaterials and Nanotechnology, University of Mumbai