

Presidential Address, Memorial Lecture and Invited Lecture

PRESIDENTIAL ADDRESS:

**POLYMER NANOCOMPOSITECH: Nanocomposites,
Nanomaterials, Nanotechnology, and Nanoscience**

Deba Kumar Tripathy [11:30am-12:00 noon, 18/12/09]

**ML – 1: Bhatnagar Memorial Lecture: Recent Advances in Space Mechanics
and Mission Analysis: An Indian Perspective**

V. Adimurthy [12:30-1:15 pm, 18/12/09]

ML – 2: G. I. Taylor Memorial Lecture: Taylor Dispersion Revisited

Vemuri Balakotaiah [9:00 - 9:45am, 19/12/09]

**ML – 3: Seth Memorial Lecture: Micro Damage Evolution and Catastrophic
Rupture**

YL BAI [2:00 - 2:45pm, 19/12/09]

**ML – 4: Karunesh Memorial Lecture: A constitutive theory for large-
deformation elastic-viscoplastic response of metallic glasses**

L. Anand [9:00 - 9:45am, 20/12/09]

**IL-1 The Indian Society of Theoretical and Applied Mechanics – A journey
through time**

N K Gupta [12:00noon – 12:30pm, 18/12/09]

- IL – 2 Unfitted Finite Element Methods for Elliptic and Parabolic Interface Problems**
Rajen Kumar Sinha [9:45 - 10:15am, 19/12/09]
- IL – 3 Flow of Viscoelastic Fluids in Porous Media**
P.N. Kaloni. [10:15 - 10:45am, 19/12/09]
- IL-4 Nanoscale Piezoelectricity**
Pradeep Sharma [2:45- 3:15pm, 19/12/09]
- IL – 5 Chandrayaan-1 Real-Time Orbit Determination Using Accelerometer Data**
N. V. Vighnesam [9:45 - 10:15am, 20/12/09]
- IL – 6 Lighthill, Pre-Taylor and Taylor Regimes of Passive Solute Dispersion In Darcy-Brinkman-Forchheimer Flows**
Pradeep G. Siddheshwar [10:15 - 10:45am, 20/12/09]
- IL -7 Analytical methods describing unsteady shock motion**
V. D. Sharma [9:00 - 9:30am, 21/12/09]