

**Fourth NIAS-DST Workshop**  
**'Dimensions of Nanotechnology: Science, Technology, Business and Society'**  
**February 09-13, 2009**

**Programme**

<b>Monday</b>  9 February 2009   Group Photograph with participants: (11 am)	9.30 am	<b>Introduction to the Course</b> Session Chair: S Ranganathan  About the Course R V Krishnan About Facilities and Services P Srinivasa Aithal
	11.30 am	<b>Session Chair : B V Sreekantan</b>  <b>Inaugural Address</b> <b>T. Ramasami</b>
	2.00 pm	S Ranganathan <i>Discovering the Nanoscale</i>
	4.00 pm	A K Sood <i>Carbon Nanotubes and Graphene: Paradigm for Nanotechnology</i>
	6.00 pm	<b>Session Chair: R V Krishnan</b>  <b>P Ramachandra Rao</b> <i>Biomimetic Synthesis of Nanotmaterials</i>
<b>Tuesday</b>  10 February 2009	9.30 am	R V Krishnan <i>Nanotechnology: Applications and Commercialisation</i>
	11.30 am	Yamuna Krishnan <i>Wires, Reporters and Information Capsules: Cellular Journalism with DNA.</i>
	2.00 pm	Presentation by Participants
	4.00 pm	Visit to Nanocentre, IISc
	6.00 pm	<b>Session Chair: K Chattopadhyay</b>  <b>M Annadurai</b> <i>Chandrayaan-1: An Update</i>

<b>Wednesday</b> 11 February 2009	9.30 am	Gautam Dey Characterization of Nanostructures by Transmission Electron Microscopy
	11.30 am	K Chattopadhyay <i>Education in Nanoscience and Nanotechnology: A Perspective on Opportunities and Challenges</i>
	2.00 pm	Shantikumar Nair <i>Nanomaterials in Biomedical Applications</i>
	4.00 pm	U Ramamurty <i>Nanomechanics</i>
	6.00 pm	<b>Session Chair: Dilip Ahuja V S Arunachalam GLOBAL CRISIS: Energy</b>
<b>Thursday</b> 12 February 2009	9.30 am	V Ramgopal Rao <i>An Overview of the Research Activities in the Centre for Excellence in Nanoelectronics</i>
	11.30 am	Navakanta Bhat <i>Centre of Excellence in Nanoelectronics, IISc Bangalore</i>
	2.00 pm	Presentation by participants
	4.00 pm	A K Tyagi <i>India-Brazil-South Africa Initiative on Nanotechnology</i>
	6.00 pm	<b>NIAS Associates Programme Classical Music Concert by Sangeet Samrat Chitravina N Ravikiran</b>
<b>Friday</b> 13 February 2009	9.30 am	S Sampath <i>Nanostructures Based on Self Assembled Monolayers</i>
	11.30 am	M G Narasimhan <i>The Problem of Risk Perception in Nanotechnology: With Special Reference to Nanotechnology</i>
	2.00 pm	Murali Kota <i>Nanotechnology : Enabling the Future of Electronic Devices</i>
	4.00 pm	Umesh Waghmare <i>Introduction to ab initio Methods and their Applications to Materials Science at Nano-scale</i>
	6.00 pm	<b>Valedictory Address: Sundar Sarukkai, Participants Feedback &amp; Presentation of Certificates</b>