

**Fifth DST-NIAS Workshop**

**ON NANOTECHNOLOGY:**

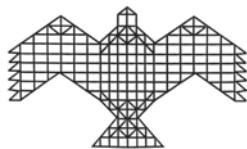
**DIMENSIONS OF NANOSCIENCE,  
NANOTECHNOLOGY & SOCIETY FOR WOMEN  
SCIENTISTS & TECHNOLOGISTS**

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Organised by

**National Institute of Advanced Studies**

J.R.D. Tata Auditorium  
14-18 December 2009



**National Institute of Advanced Studies**  
Indian Institute of Science Campus  
Bangalore 560 012

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# Fifth Workshop on Dimensions of Nanoscience, Nanotechnology and Society, For Women Scientists & Technologists

December 14 to 18, 2009

## PROGRAMME

<b>Monday</b>  December 14	9.30 am	<b>Introduction to the Course</b> About the Course      M G Narasimhan & Shobhana Narasimhan  About Facilities and Services    P Srinivasa Aithal
	11.30 am	<b>Inaugural Address</b>  <b>Session Chair : V S Ramamurthy</b>  <b>Vijayalakshmi Ravindranath</b> Women in Science, Gender Differences in Brain Function
	2.00 pm	<b>S Ranganathan,</b> Discovering the Nanoscale: An Overview
	4.00 pm	<b>Atul Chokshi</b> Nanocrystalline Materials: Grain Boundary Processes in Strength and Ductility
	6.00 pm	<b>Session Chair : Dilip Ahuja</b>  <b>B V Sreekantan</b> Dr. Homi Jehangir Bhabha and His works
<b>Tuesday</b>  December 15  Group Photograph with participants: (11 am)	9.30 am	<b>Vincent Repain</b> Nanomagnetism: from Fundamental Research to Devices
	11.30 am	<b>Navakanta Bhat</b> Nanoelectronics : More Moore and More Than Moore
	2.00 pm	Self Introduction/Presentation by Participants
	4.00 pm	<b>Shobhana Narasimhan</b> Size effects in Nanosystems
	6.00 pm	<b>Session Chair: S Settar</b>  <b>Sharada Srinivasan</b> Phases and Faces: Splendours of South Indian Bronzes

<b>Wednesday</b> December 16	9.30 am	<b>M Vijayalakshmi</b> Atomic Resolution Microscopy in Unraveling the Mystery of the Nano-World
	11.30 am	Visit to Nanocentre, IISc
	2.00 pm	<b>Rinti Banerjee</b> Nanomedicine: New Avenues in Therapeutics
	4.00 pm	<b>M G Narasimhan</b> Nanotoxicology and Risk Assessment
	6.00 pm	<b>Session Chair: R Gadagkar</b>  <b>Ram Ramaswami</b> Women in Science: The Lilavati's Daughters Project
<b>Thursday</b> December 17	9.30 am	<b>Prabha Nair</b> Nanobiomaterials for Tissue Engineering Applications
	11.30 am	<b>R V Krishnan</b> Nanotechnology: Applications and Commercialisation
	2.00 pm	Presentation by participants
	4.00 pm	<b>Yamuna Krishnan</b> Opportunities in Nanobiology
	6.00 pm	<b>Cultural Programme</b>  Ninad-Carnatic Classical and Hindustani Jugalbandhi by <b>Vidhushi Kanchana S Sriranjani</b> <b>Vidhushi Pallavi M D.</b>
<b>Friday</b> December 18	9.30 am	<b>A K Sood</b> Graphene and Nanotubes – The Rising Stars
	11.30 am	<b>P Ramachandra Rao</b> Biomimetic Synthesis of Nanomaterials
	2.00 pm	Presentation by participants
	4.00 pm	<b>Sindhu Radhakrishna</b> Why Stay Together?: Lessons from a Nano Primate
	6.00 pm	<b>Valedictory Address: Chair: S Ranganathan</b>  <b>T. Ramasami</b>  Participants Feedback Presentation of Certificates

### Daily Schedule

6.00 am - 7.00 am	Yoga
7.30 am - 8.30 am	<b>Breakfast</b>
9.30 am - 11.00 am	First Session
11.00 am - 11.30 am	<b>Tea/Coffee</b>
11.30 am – 1.00 pm	Second Session
1.00 pm – 2.00 pm	<b>Lunch</b>
2.00 pm - 3.30 pm	Third Session
3.30 pm - 4.00 pm	<b>Tea/Coffee</b>
4.00 pm - 5.30 pm	Fourth Session
6.00 pm - 7.30 pm	Evening Lecture
8.00 pm - 9.00 pm	<b>Dinner</b>

