

**Government of India  
Nano Mission  
GROUP MONITORING MEETING  
IIT-Delhi  
March 17, 2017**

**Progress Reports (Science of Nanoscale Systems) - Projects > 50 lakh**

**CONTENTS**

**Session 2 : March 17, 2017, 2:00-5:30 (03:00-03:30 P.M Tea Break)**

1.	<b>SR/NM/NS-1097/2011</b> Study of catalytic activity of nanosize metals and metal oxides prepared by novel or conventional routes <b>Dr. Bhalchandra Mahadev Bhanage</b> , D/o Chemistry, ICT, Mumbai <a href="mailto:bm.bhanage@gmail.com">bm.bhanage@gmail.com</a>
2.	<b>SR/NM/NS-1026/2011</b> Theoretical exploration of optical properties and photovoltaic applications possibilities of carbon based nanostructures. <b>Dr. Joydeep Bhattacharjee</b> , School of Physical Sciences NISER Bhubaneswar <a href="mailto:jbhattacharjee@niser.ac.in">jbhattacharjee@niser.ac.in</a>
3.	<b>SR/NM/NS-1098/2011</b> Fabrication of mesoscopic electro-mechanical systems for ultra low temperature studies <b>Dr. Ananth Venkatesan</b> , IISER-Mohali, <a href="mailto:ananthv@iisermohali.ac.in">ananthv@iisermohali.ac.in</a>
4.	<b>SR/NM/NS-1119/2011</b> New Generation Molecular Nano Magnets <b>Dr. R. Murugavel</b> , D/o Chemistry, IIT-Bombay <a href="mailto:rmv@chem.iitb.ac.in">rmv@chem.iitb.ac.in</a>
5.	<b>SR/NM/NS-35/2012</b> Investigation of interactions and excitations of charge carriers in two novel quantum fluid systems. <b>Dr. Aweek Bid</b> D/o Physics, IISc, Bangalore <a href="mailto:aveek.bid@physics.iisc.ernet.in">aveek.bid@physics.iisc.ernet.in</a>
6.	<b>SR/NM/NS-1105/2013</b> Nanoporous materials. <b>Dr. Farid Khan</b> D/of Chemistry, Dr. H.S. Gour University, Sagar <a href="mailto:farid.fk@rediffmail.com">farid.fk@rediffmail.com</a>
7.	<b>SR/NM/NS-04/2014</b> Growth and characterization of nanomaterials employing green approaches. <b>Dr. M. A Shah</b> D/o Physics, NIT, Srinagar <a href="mailto:mashahnit@gmail.com">mashahnit@gmail.com</a>

8.	<p><b>SR/NM/NS-1249/2013</b> Spectroscopy and imaging down to subnanometer length scales on novel electronic systems and their nanostructured devices.</p> <p><b>Dr. Gautam Sheet</b> D/o Physics, IISER Mohali <a href="mailto:goutam@iisermohali.ac.in">goutam@iisermohali.ac.in</a></p>
9.	<p><b>SR/NM/NS-05/2014</b> Soft ionization ion mobility mass spectrometry of atomically precise clusters of noble metals.</p> <p><b>Dr. T. Pradeep</b>, D/o Chemistry, IIT-Madras, Chennai <a href="mailto:pradeep@iitm.ac.in">pradeep@iitm.ac.in</a></p>
10.	<p><b>SR/NM/NS-1183/2013</b> Josephson coupling through ferromagnetic barriers.</p> <p><b>Dr. K. Senapati</b> D/o Physics, NISER, Bhubaneswar <a href="mailto:kartik@niser.ac.in">kartik@niser.ac.in</a></p>
11.	<p><b>SR/NM/NS-1117/2013</b> Ultrafast Photocatalytic reaction mechanisms and dynamics at the semiconductor – supported metal nanoparticle (NP) surfaces in ultra-high vacuum (UHV).</p> <p><b>Dr. Atanu Bhattacharya</b>, D/o Inorganic &amp; Physical Chemistry, IISc- Bangalore <a href="mailto:atanub@ipc.iisc.ernet.in">atanub@ipc.iisc.ernet.in</a></p>
12.	<p><b>SR/NM/NS-06/2014</b> Physics of nanosystems probed by ultrafast time resolved spectroscopy and Raman scattering.</p> <p><b>Dr. A.K. Sood</b>, D/o Physics, IISc, Bangalore <a href="mailto:asood@physics.iisc.ernet.in">asood@physics.iisc.ernet.in</a></p>
13.	<p><b>SR/NM/NS-1117/2012</b> Improvements in electro-optical properties of semiconductor nanocrystals and their assemblies</p> <p><b>Dr. Anshu Pandey</b>, D/o Solid State and Structural Chemistry Unit, IISc, Bangalore <a href="mailto:anshup@sscu.iisc.ernet.in">anshup@sscu.iisc.ernet.in</a></p>
14.	<p><b>SR/NM/NS-1141/2012</b> Development of multi-modal nonlinear plasma optical microscopy workstation to probe metallic nanoarchitectures</p> <p><b>Dr. G.V. Pavan Kumar</b> D/o Physics, IISER, Pune <a href="mailto:pavan@iiserpune.ac.in">pavan@iiserpune.ac.in</a></p>
15.	<p><b>SR/NM/NS-1179/2012</b> Iso-reticulation, Nano-particle loading and Layered Growth of Porous Crystalline Covalent Organic Nano – materials with Remarkable Chemical Stability.</p> <p><b>Dr. Rahul Banerjee</b>, Physical and Materials Chemistry Division, NCL Pune- <a href="mailto:r.banerjee@ncl.res.in">r.banerjee@ncl.res.in</a></p>

