



# Indo-Brazil

## Discussion Meeting on Advances in Graphene and Nanotubes

Foz do Iguaçu, August 26th to 28th, 2011

### August 26<sup>th</sup>, 2011

9:00 - 10:00	<b>Rao</b> - <i>"Fascination for nanocarbons"</i>
10:00 - 10:30	<b>Galvão</b> - <i>"Multi-million Atomistic Simulations of Carbon-Based Nanostructures"</i>
10:30 - 11:00	COFFEE BREAK
11:00 - 11:30	<b>Ferlauto</b> - <i>"Carbon Nanomaterials Research at the Laboratorio de Nanomateriais"</i>
11:30 - 12:00	<b>Vijaymohan</b> - <i>"Electrochemical transformation of carbon nanotubes to graphene"</i>
12:00 - 12:30	<b>Furtado</b> - <i>"Chemical Manipulation of Carbon Nanotubes and Graphenes"</i>
12:30 - 13:00	<b>Neves</b> - <i>"Characterization and manipulation of carbon nanostructures via scanning probe microscopy techniques"</i>
13:00 - 14:30	LUNCH
14:30 - 15:00	<b>Bhattacharya</b> - <i>"Solubilization of various Nanocarbons in Self-assembled Molecular Networks and the Properties of the resulting systems"</i>
15:00 - 15:30	<b>Zarbin</b> - <i>"Carbon Nanotubes- and Graphene-Based Nanocomposites"</i>
15:30 - 16:00	<b>Misra</b> - <i>"Electrical transport in individual multiwall carbon nanotubes and graphene-Pt nanocomposites as counter electrodes in solar cells"</i>
16:00 - 16:30	COFFEE BREAK
16:30 - 17:00	<b>Rappoport</b> - <i>"Spin-related properties of graphene with adatoms"</i>
17:00 - 17:30	<b>Dattagupta</b> - <i>"Dissipative Dynamics of Dirac Fermions in Graphene in a Magnetic Field"</i>
17:30 - 18:00	<b>Bechara Muniz</b> - <i>"Theoretical description of electronic and transport properties of carbon-based materials"</i>

## August 27<sup>th</sup>, 2011

8:30 - 13:00	<b>Water Falls visit</b>
13:00 - 14:30	LUNCH
14:30 - 15:00	<b>Waghmare</b> - <i>"Theory of Defects in Graphene and Related Materials"</i>
15:00 - 15:30	<b>Nunes</b> - <i>"Strain-induced topological defect clustering and one-dimensional electronic states in graphene"</i>
15:30 - 16:00	<b>Roque da Silva</b> - <i>"First principle studies of Graphenes"</i>
16:00 - 16:30	COFFEE BREAK
16:30 - 17:00	<b>Plentz</b> - <i>Fabrication and Electric Transport Investigation of Grafene Devices</i> <b>Ghosh</b> - <i>"Exploring New Phenomena in Graphene with Noise"</i>
17:00 - 17:30	<b>Ghosh</b> - <i>"Exploring New Phenomena in Graphene with Noise"</i>
17:30 - 18:00	<b>Fagan</b> - <i>"Carbon nanostructure functionalization: an ab initio approach"</i>
18:00 - 18:30	<b>Capaz</b> - <i>"Graphene Explorations: Reports from Experimental/Theoretical Endeavors"</i>

## August 28<sup>th</sup>, 2011

8:30 - 9:00	<b>Sood</b> - <i>"Physics issues in FET and Resistive Switching Devices of Graphene"</i>
9:00 - 9:30	<b>Pimenta</b> - <i>Characterizing Graphene by Resonance Raman Scattering</i>
9:30 - 10:00	<b>Souza Filho</b> - <i>"Filling and intercalation effects on the mechanical stability of double walled carbon nanotubes: resonance Raman scattering studies"</i>
10:00 - 10:30	<b>Cançado</b> - <i>"Raman characterization of nanocarbons"</i>
10:30 - 11:00	COFFEE BREAK
11:00 - 11:30	<b>Kopelevich</b> - <i>"High-Temperature Interface Superconductivity in Graphite/Si Sandwiches"</i>
11:30 - 12:00	<b>Deshmukh</b> - <i>"Suspended graphene electromechanics in quantum Hall regime"</i>
12:00 - 12:30	<b>Granado</b> - <i>"Raman spectroscopy in graphene and graphite under magnetic fields"</i>
12:30 - 13:00	<b>Moshkalev</b> - <i>"Gas sensors and reactors with decorated multi-walled carbon nanotubes and few-layer graphene"</i>
13:00 - 14:30	LUNCH
14:30 - 18:00	<b>Hotel Check out</b>

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