

CARISCIENCE

International Symposium and Workshop on Nanoscience/Nanotechnology

July 15 – 17, 2014

University of the West Indies, St. Augustine Campus, Trinidad

Programme Outline

Day 1: Tuesday, 15th

Venue – Daaga Auditorium

Opening Session	Opening Ceremony and Public Lecture
5:00 p.m. – 6:00 p.m.	Official Opening Ceremony
6:00 p.m. – 7:30 p.m.	Public Lecture Professor Anthony K. Cheetham FRS (University of Cambridge, UK) <i>Topic: TBA</i>

Day 2: Wednesday, 16th

Venue – Teaching and Learning Complex (Lecture Theatre A1)

8:30 a.m. – 9:00 a.m.	Overview, Welcome and Introduction to Symposium
Session 1	Theme: Introducing Nanotechnology/Nanoscience
9:00 a.m. – 9:40 a.m.	Professor Ishenkumba A. Kahwa (UWI, Mona, Jamaica) <i>Nanoscience/Nanotechnology: what's in it for the Caribbean?</i>
9:40 a.m. – 10:20 a.m.	Professor Fidel Castro Díaz-Balart (Academy of Science, Cuba) <i>Capacity Building, Research Funding and Industry Partnership in Nanotechnology</i>
10:20 a.m. – 11:00 a.m.	Professor Chris Backhouse (University of Waterloo, Canada) <i>Breadth versus Depth: the Challenges of Undergraduate Nanotechnology Engineering Programs</i>
11:00 a.m. – 11:20 a.m.	Coffee Break
11:20 a.m. – 12:00 p.m.	Professor Masami Okamoto (Toyota Technology Institute, Japan) <i>Polymeric Nanocomposites: An Overview from Science to Technology</i>
12:00 p.m. – 12:40 p.m.	Professor Jean-Louis Mansot (University of Guadeloupe, Guadeloupe) <i>Nanometric Aspects of Friction Properties of Lamellar Compounds and Nanoparticles</i>
12:40 p.m. – 2:00 p.m.	Lunch Break
Session 2	Theme: Nanotechnology for Energy/Optoelectronic/Sensor Applications
2:00 p.m. – 2:40 p.m.	Professor Anthony K. Cheetham, FRS (University of Cambridge, UK) <i>Efficient Light Conversion Nanomaterials</i>
2:40 p.m. – 3:10 p.m.	Errol Loïc Samuel (PhD Candidate, Rice University, USA) <i>Carbon-Based Nanoreporters for Oil/Gas Detection</i>
3:10 p.m. – 3:40 p.m.	Poster Session (Coffee Break)
3:40 p.m. – 4:20 p.m.	Dr. Karthik Ramasamy (Los Alamos National Labs, USA) <i>Layered Chalcogenide CuSbS₂: Synthesis, Characterization, Optical Properties</i>
4:20 p.m. – 5:00 p.m.	Professor G. U. Kulkarni (JNCASR, India) <i>Supramolecular Transistors and Sensors</i>
5:00 p.m. – 5:40 p.m.	Professor Chris Backhouse (University of Waterloo, Canada)

Day 3: Thursday, 17th

Venue – Teaching and Learning Complex (Lecture Theatre A1)

Session 1	Theme: Nanotechnology in Biology, Medicine and Pharmaceuticals
8:30 a.m. – 9:10 a.m.	Professor M. Eswaramoorthy (JNCASR, India) <i>Nanomaterials for Biological Applications</i>
9:10 a.m. – 9:50 a.m.	Dr. Christy A. Hunter FRSC (University of Manchester, UK) <i>Nano-pharmaceuticals</i>
9:50 a.m. – 10:30 a.m.	Professor Frank Gu (University of Waterloo, Canada) <i>Nanoparticles for the Controlled Release and Delivery of Drugs</i>
10:30 a.m. – 10:50 a.m.	Coffee Break
10:50 a.m. – 11:30 a.m.	Professor Masami Okamoto (Toyota Technology Institute, Japan) <i>Fabrication of Composite Scaffolds for Tissue Engineering Applications</i>
11:30 a.m. – 12:10 p.m.	Professor Yashwant Pathak (University of South Florida, USA) <i>Nano-Biomaterials for Ophthalmic Drug Delivery</i>
12:10 p.m. – 1:30 p.m.	Lunch Break
Session 1 cont'd	Theme: Nanotechnology in Biology/Medicine/Pharmaceuticals
1:30 p.m. – 1:50 p.m.	Errol Loïc Samuel (PhD Candidate, Rice University, USA) <i>Antioxidant Carbon-Based Nanomaterials</i>
1:50 p.m. – 2:30 p.m.	Professor Fidel Castro Díaz-Balart (Academy of Science, Cuba) <i>Nanotechnology in Biology and Medicine, Increasing Competitiveness of Industry</i>
Session 2	Theme: Synthesis/Nanofabrication Processes/Characterization
Session Chair	TBA
2:30 p.m. – 3:10 p.m.	Professor Chris Kiely (Lehigh University, USA) <i>Aberration Corrected Analytical Electron Microscopy of Nanoscale Catalyst Materials</i>
3:10 p.m. – 3:40 p.m.	Poster Session (Coffee Break)
3:40 p.m. – 4:20 p.m.	Professor M. Eswaramoorthy (JNCASR, India) <i>Bioinspired Synthesis of Nanomaterials</i>
4:20 p.m. – 5:00 p.m.	Professor G. U. Kulkarni (JNCASR, India) <i>Direct Write Nanolithography</i>
5:00 p.m. – 5:40 p.m.	Professor Robin Klupp Taylor (Friedrich-Alexander University, Germany) <i>Liquid Phase Synthesis of Nanostructured Materials for Optical Applications</i>
5:40 p.m.	End of Symposium

Board Members:

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