

Short Presentations: Wednesday 21st

Short Presentations 1: Properties

16:30	Alexander Sibley Towards the optimisation of organic photovoltaic devices through the plasma modification of indium-tin oxide	(Flinders University)
16:33	Sarita Deshmukh Nanoindentation induced phase transformations in amorphous germanium	(ANU)
16:36	Adrian Hawley Nanoscale Investigations at the Australian Synchrotron SAXS/WAXS Beamline	(Australian Synchrotron)
16:39	Natalya Schmerl Investigation of the structure of the alkali halide/ polymer interface in an Organic PhotoVoltaic (OPV) Device	(Flinders University)
16:42	Satyam Bhuyan Phase transformations in crystalline silicon by controlled-temperature indentation	(ANU)
16:45	Leonardus Bimo Bayu Aji Effect of thermal annealing on the structure and deformation behaviour of ion-implanted amorphous silicon	(ANU)
16:48	Lilian Ellis-Gibbings Towards the improvement of dye sensitised solar cells	(Flinders University)
16:51	Vincent Supratman Electrical characterization of GaAs during indentation	(ANU)
16:54	Tamsyne Smith-Harding Characterisation of <i>cosinodiscus wailessi</i> frustules using scanning electron microscopy and atomic force microscopy	(Flinders University)

Poster viewing

Short Presentations 2: Functional and Nanomaterials

17:30	Mojtaba Abtahi Effects of nanoclays and nano powder rubber on physico-mechanical properties of polylactide (PLA) Nanocomposites	(University of Sydney)
17:33	Blake Lawrence Study on selective oxidation of multi-walled carbon nanotubes (MWCNTs)	(Flinders University)
17:36	Yiwei Zhu The effect of post annealing on the structures of DC-magnetron sputtered silicon carbide films	(University of Sydney)
17:39	Jason Pilkington Effective synthesis of tetrabutylammonium octamolybdate towards formation of a selectively bifunctionalised hexamolybdate	(Flinders University)
17:45	Daniel Mangos Novel synthesis of functionalised silica nanoparticles using a revised Stöber Process	(Flinders University)
17:48	Ranjan Rajoo Embrittlement failures of lead free solder joint on electroless nickel immersion gold finishing used in microelectronics packages	(University of Newcastle)
17:51	Lisa Stroker Characterisation and properties of novel grafted polythiophenes	(University of Auckland)

Short Presentations: Thursday 22nd

Short Presentations 3: Theory, Electronic devices and Nanomaterials

16:30	Wei Xian Lim Encapsulation of titanium dioxide nanoparticles into boron nitride nanotubes	(University of Wollongong)
16:33	Robert Brooke Attaching polythiophenes to indium tin oxide surfaces	(Flinders University)
16:36	Tristan Clemons Multimodal nanoparticles for stabilization of enzymes against thermal inactivation	(UWA)
16:39	John Horsely Portable miniaturised capillary electrophoresis device for rapid forensic DNA profiling	(Flinders University)
16:42	Lachlan Larsen The effect of electrolyte composition on the efficiency of dye sensitised solar cells	(Flinders University)
16:45	Rhys Murphy A switchable alkyl side arm porphyrin for surface immobilization	(Flinders University)
16:48	Jessie Dilag Nanotechnology as a new tool for fingerprint detection	(Flinders University)
16:51	Katherine Moore Selective outer-tube functionalisation of double-walled carbon nanotubes and their vertical alignment on a silicon surface	(Flinders University)

Poster viewing

Short Presentation 4: Nanomaterials

17:30	Leonora Velleman Fabrication of functionalized gold nanotube membranes for molecular separations	(Flinders University)
17:33	Domonic Ho The effects of RADA16 scaffolds on mixed retinal cultures	(UWA)
17:36	Jie Fang Sequential microfluidic flow synthesis of CePO ₄ nanorods decorated with emission tunable quantum dots	(UWA)
17:39	Tom Macdonald Create water filtration membranes using vertically aligned single walled carbon nanotubes embedded in a polymer matrix	(Flinders University)
17:42	Andrew Blok Towards immobilization of anion sensors based on the 4-amino-1,8-naphthamide fluorophore	(Flinders University)
17:45	Anirudh Sharma Stability of the ITO interface in organic photovoltaic devices	(Flinders University)
17:48	Tariq Altahi Synthesis of multi-walled carbon nanotube framework membranes for emerging applications	(Flinders University)
17:51	Aris Widyo Nugroho Fabrication and properties of porous titanium alloy by solid state foaming processes	(Curtin University of Technology)
17:54	Puwang Li The synthesis of folate conjugated chitosan as polymeric carrier for active targeting drug delivery	(Deakin University)
17:57	Inderpeet Gill Fabrication and electrical characterization of molecular films of TTF-TCNQ for application as nanoscale electrodes in organic electronics	(Flinders University)