



# Wagga Wagga CMM 2016

## Wednesday 03 February 2016

### Contributed talk: WM2 - 3 (09:30-10:00)

time	[id] title	presenter
09:30	[122] The Australian Synchrotron in 2015 – Turning Bright Ideas into Brilliant Outcomes	Prof. JAMES, Michael
09:45	[12] Microsecond-resolved insights by SAXS and WAXS into the early stages of CdS quantum dot formation	Prof. MAGERL, Andreas

### Contributed talk: WN2 - 3 (11:30-12:30)

time	[id] title	presenter
11:30	[76] Reactions of dihalogenated 3,4-ethylenedioxythiophenes on metal surfaces	Dr MACLEOD, Jennifer
11:45	[74] Vacancy-mediated electrical conductivity in lithium fluoride upon moderate heating	Dr HOXLEY, David
12:00	[56] Unconventional Molecular Weight Dependence of Charge Transport in a High Mobility n-type Semiconducting Polymer	Mr NAHID, Masrur Morshed
12:15	[71] An Approach to Degradation Mechanisms using Numerical Model Fitting in Thermally Activated Delayed Fluorescence (TADF) Organic Light Emitting Diodes (OLEDs)	Dr HIRAI, Tadahiko

### Contributed talk: WA2-3 (14:30-15:00)

time	[id] title	presenter
14:30	[18] Solvent restructuring at colloidal nanoparticle surfaces	Ms ZOBEL, Mirijam
14:45	[82] One-step synthesis of n-type Mg <sub>2</sub> Ge	Mr SANTOS, Rafael

## Thursday 04 February 2016

### **Contributed talk: TM2 - 6 (09:15-10:45)**

time	[id] title	presenter
09:15	[31] Capturing the transition from 3C SiC(111) to graphene by XPS and STM in Ultra High Vacuum	Prof. MOTTA, Nunzio
09:30	[15] NEXAFS characterisation of CVD graphene on copper	Mr WAHAB, Hud
09:45	[25] Graphene Nanoplatelet Biodegradable Nanocomposites: A Comparative Study	Ms KASHI, Sima
10:00	[36] Quest for zero loss: the materials selection problem in plasmonics	Prof. CORTIE, Michael
10:15	[52] Development of Hydrophilic Materials for Nanofiltration Membrane Achieving Dual Resistance to Fouling and Chlorine	Dr CHENG, Xi Quan

### **Contributed talk: TN2 - 5 (11:30-12:30)**

time	[id] title	presenter
11:30	[105] Crystallographic and magnetic structure study in SrCo <sub>3-x</sub> by high resolution x-Ray and neutron powder diffraction	Ms CHANG, Fenfen
11:45	[37] Hydrates under pressure – new insights from sulfuric acid hydrates	Dr MAYNARD-CASELY, Helen
12:00	[22] Inelastic neutron scattering as a means for determining the magnetic exchange interactions in the frustrated quantum spin chain, Linarite.	Dr RULE, Kirrily
12:15	[58] An investigation of magnetic structure and spin reorientation in Cr and Mn doped rare earth ferrites using neutron powder diffraction	Dr LIU, Xinzhi

### **Contributed talk: TA3 - 4 (14:30-15:30)**

time	[id] title	presenter
14:30	[95] Investigation of Targeting Capabilities of Peptide-conjugated Endocannabinoid-based lipid Nanoassemblies in the Treatment of Arthritis	Ms BARRIE, Nicola
14:45	[32] Sodium for securing future renewable energy supply	Dr MINAKSHI, Manickam
15:00	[35] Bi(III)-containing lanthanum germanium apatite-type oxide ion conductors and their structure-property relationships	Mr TATE, Matthew
15:15	[75] Low temperature effect of lithium diffusion in 18650-type MNC battery	Dr WU, Chun-Ming

# Friday 05 February 2016

## Contributed talk: FM2 - 6 (09:15-10:30)

time	[id] title	presenter
09:15	[87] Reversible electrochromism, elasto-optic and thermo-optic effects in BiFeO <sub>3</sub> films	Dr SANDO, Daniel
09:30	[104] Effects of <sup>18</sup> O isotope substitution in multiferroic R <sub>2</sub> MnO <sub>3</sub> (R=Tb, Dy)	Mr GRAHAM, Paul
09:45	[61] Growth and Properties of Strain-tuned SrCoO <sub>x</sub> (2.5 ≤ x < 3) Thin Films	Mr SONGBAI, Hu
10:00	[113] Experimental observations of grain-scale property coupling in electroceramics	DANIELS, John
10:15	[5] Gamma irradiation effect on optical and laser damage performance of KDP crystals	Dr YUAN, Xiaodong

## Contributed talk: FN2 - 6 (11:30-12:30)

time	[id] title	presenter
11:30	[10] Multimode photon-assisted tunnelling in superconducting quantum circuits	Dr WOOLLEY, Matt
11:45	[53] Focusing of electrons and holes in semiconductors: from semi-classical dynamics to spintronics	Mr BLADWELL, Samuel