

SAIP2013

Tuesday 09 July 2013

DCMPM2: PhD for Award (10:30-12:10)

-Conveners: Ted Kroon

time	[id] title	presenter
10:30	[24] Magnetic Phase Diagram of Cr _{100-x} Os _x alloys	Mr FERNANDO, Pius Rodney
10:50	[66] Characterization of Transition metal nitrides thin films deposited using RF Magnetron Sputtering	Mr KURIA, Jonah
11:10	[23] Electronic and mechanical properties of the actinide mononitride and dinitride	Mr OBODO, Kingsley
11:30	[18] Synthesis and characterization metal chalcogenide nanocrystals used as active layers in solar cells	Mr KALENGA, Pierre Mubiayi
11:50	[118] The calculated vacancy formation energies of Al, Ni, Cu, Pd, Ag, and Pt.	Ms VAN DER WALT, Cornelia

DCMPM2: PhD for Award (14:10-15:10)

-Conveners: Japie Engelbrecht

time	[id] title	presenter
14:10	[156] Magnetic properties of the (Cr _{100-x} Al _x) ₉₉ V ₁ alloy system	Mr MUCHONO, Blessed
14:30	[121] AES and TOF-SIMS measurements of In segregation in a polycrystalline Cu crystal	Mr MADITO, Moshawe

DCMPM2 (15:40-16:40)

-Conveners: Mokhotjwa Simon Dhlamini

time	[id] title	presenter
15:40	[8] Hydrogen Functionalized Graphene for possible Spintronics Applications	Prof. RAY, Sekhar Chandra
16:20	[49] Synthesis of zinc oxide based nanophosphors by solution-combustion method	Dr KUMAR, Vinod

Wednesday 10 July 2013

DCMPM2: PhD for Award (09:00-10:00)

-Conveners: Johan Malherbe

time [id]	title	presenter
09:00	[202] The effect of chemical pressure on the ferromagnetic (FM) ordering of Ce->TX compounds	Ms SONDEZI, Buyi
09:20	[268] Structural and Magnetic Properties of Mg _x Sr _x Mn _x Co _{1-3x} Fe ₂ O ₄ Nanoparticle ferrites	Mr OSMAN, Nadir
09:40	[267] Synthesis, characterization and gas sensing applications of Tungsten Trioxide	Mr GOVENDER, Malcolm

DCMPM2: PhD for Award (10:30-11:50)

-Conveners: Erasmus Koena Rammutla

[id]	title	presenter
[279]	New Techniques for Determining Dopant Concentrations In Nitrogen Doped Carbon Nanospheres	Mr MARSICANO, Vincenzo
[458]	Spin-lattice relaxation in Fe implanted ZnO	Mr MASENDA, Hilary
[297]	The effect of EWG and EDG on the HOMO and LUMO levels of Alq3.	Ms DUVENHAGE, Mart-Mari
[477]	White Cathodoluminescence Zn_{0.3}Mg_{0.7}Al₂O₄:Tb³⁺;Eu³⁺ phosphor	Mr SHAAT, Samy

DCMPM2: PhD for Award (13:50-15:10)

-Conveners: Hendrik Swart

time [id]	title	presenter
13:50	[527] Back surface influence on Brillouin scattering in ion-implanted chemical vapor deposited diamond	Mr MOTOCHI, Isaac
14:10	[169] High frequency Luttinger liquid excitations and ballistic transport in aligned CNTs range at room temperature	Mr CHIMOWA, George
14:30	[588] DIVISION MEETING	

DCMPM2 (15:40-16:40)

-Conveners: Mandla Msimanga

time [id]	title	presenter
15:40	[165] A Mössbauer effect investigation of nanosized Mn _x (Mg, Co) _{0.5-x} Zn _{0.5} Fe ₂ O ₄	Ms DLAMINI, Wendy Bonakele
16:00	[129] Degradation of organic solar cells with solution processed ZnO	Ms MBULE, Pontsho Sylvia
16:20	[99] Energy loss and energy loss straggling of (MeV) heavy ions through thin film materials by Time of Flight spectrometry	Dr MSIMANGA, Mandla

Friday 12 July 2013

DCMPM2 (09:00-10:00)

-Conveners: Sekhar Chandra Ray

time [id]	title	presenter
09:00	[555] Carbon in Modern Nuclear Reactors	Prof. MALHERBE, Johan
09:40	[431] Synthesis and characterization of novel semiconductor nanocrystals for third generation solar cells	Dr MOLOTO, Nosipho

DCMPM2 (10:30-11:50)

-Conveners: Johan Malherbe

time [id]	title	presenter
11:10	[560] Benefits of the circular current's duo Cartesian magnetic dipolar model	Dr CHIRWA, Max
11:30	[557] Ab initio calculations on the structural, electronic and optical properties of the hazardous silver nitrides	Mr SULEIMAN, MOHAMMED S. H.