

SAIP2014

Tuesday 08 July 2014

Photonics: Materials - D Les 102 (10:00-10:40)

-Conveners: Pieter Neethling

time	[id] title	presenter
10:00	[115] Effect of annealing on the photoluminescence characteristics of solution grown ZnO nanorods array	Mr MBULANGA, Crispin
10:20	[135] Optical and Electrical properties of solution-grown ZnO nanorods on Si	Mr TANKIO DJIOKAP, Stive Roussel

Photonics: Ultrafast Spectroscopy - D Les 102 (11:10-12:10)

-Conveners: Erich Rohwer

time	[id] title	presenter
11:10	[232] Ultrafast charge transfer processes in organic-dye sensitised solar cells	Ms MINDA, Iulia
11:30	[323] Femtosecond electron diffraction on organic crystals	Mr SMIT, Bart
11:50	[338] Control of CO ₂ vibrational dynamics via shaped-pulse Coherent Anti-Stokes Raman Spectroscopy	Mr HENDRIKS, Attie

Photonics: Pulse shaping - D Les 102 (14:00-15:40)

-Conveners: Andrew Forbes

time	[id] title	presenter
14:00	[346] Shaping coherent light	Mr SPANGENBERG, Dirk-Mathys
14:20	[9] Measuring phase with Stokes measurements	Mrs DUDLEY, Angela
14:40	[341] Ptychographic reconstruction of temporal objects	Mr SPANGENBERG, Dirk-Mathys
15:00	[463] Non Specialist lecture: Does God play dice with angles?	Prof. PADGETT, Miles

Wednesday 09 July 2014

Photonics: Division meeting - D Les 102 (10:00-10:40)

time	[id] title	presenter
10:00	Photonics division meeting	

Photonics: Resonators - D Les 102 (11:10-12:10)

-Conveners: Andrew Forbes

time	[id] title	presenter
11:10	[122] Selecting high-order modes in solid state laser resonators	Mr IHEANETU, Kelachukwu
11:30	[416] Generation of Coherent and Incoherent Superpositions of Laguerre–Gaussian Beams using a Diode-Pumped Solid-State Digital Laser	Mr NGCOBO, Sandile
11:50	[142] Breaking the intra-cavity degeneracy of vortex modes	Mr NAIDOO, Darryl

Photonics: Spectroscopy - D Les 102 (14:00-15:40)

-Conveners: Christine Steenkamp

time	[id] title	presenter
14:00	[5] Interference fringe intensity measurement by optical path length variation using Michelson's interferometer	Mr SULIALI, Nyasha
14:20	[361] Coupled Optical Resonance Laser Frequency Stabilization	Mr BURD, Shaun
14:40	[152] Vacuum ultraviolet spectroscopy of calcium fluoride crystals	Mr MATINDI, Tresor
15:00	[395] Raman spectroscopy of biofilms	Dr NEETHLING, Pieter

Thursday 10 July 2014

Photonics: Technology - D Les 102 (10:00-10:40)

-Conveners: Pieter Neethling

time	[id] title	presenter
10:00	[339] Construction of a Terahertz time domain spectrometer	Mr SMITH, Shane
10:20	[181] A New Technique to Electro-Optically Q-switch Uniaxial Gain Materials.	Mr MAWEZA, Loyiso

Photonics: Fibres - D Les 102 (11:10-12:10)

-Conveners: Hencharl Strauss

time	[id] title	presenter
11:10	[218] Propagation characteristics control by variation of PCF structural parameters	Mr JENA, James
11:30	[12] Pulse Propagation in Soliton based Optical fiber communication.	Mr SABITU, Rabiul Imam
11:50	[319] Towards the Fabrication of All-Fibre Laser Systems	Dr WU, Lorinda

Photonics: Quantum Optics - D Les 102 (14:00-15:40)

-Conveners: Andrew Forbes

time	[id] title	presenter
14:00	[300] Digital detection of Bessel-Gauss beams	Ms MHLANGA, Thandeka
14:20	[149] Simulating spontaneous parametric down-conversion using classical light	Dr ZHANG, Yingwen
14:40	[145] Azimuthal spectrum after parametric down-conversion with radial degrees of freedom	Dr ZHANG, Yingwen
15:00	[143] Propagation of vortex modes through fibres	Ms MCLAREN, Melanie
15:20	[444] A numerical investigation of the evolution OAM entanglement in turbulence	Dr HAMADOU IBRAHIM, Alpha

Friday 11 July 2014

Photonics: Photonics - D Les 102 (10:00-10:40)

Photonics: Photonics - D Les 102 (11:10-12:10)