



THE SOUTH AFRICAN RAMAN WORKSHOP 2017



27 November 2017

28 November 2017

08:00	Registration - Tea/Coffee
08:45	Welcome to Workshop <i>Dr Rudolph Erasmus, Chair: Organising Committee</i>
08:50	Introduction to Raman Spectroscopy <i>Dr David Kock, Necsa</i>
09:40	Workshop 1 <i>Prof Howell Edwards, University of Bradford, UK – The ESA ExoMars 2020 Mission and the Search for Life on Mars : Biomarker Detection - The Challenge for Raman Spectroscopy</i>
10:30	Coffee/Tea – Poster Session
11:00	Workshop 2 <i>Dr Ute Schmidt, Applications Manager, WITec – New trends in 3D confocal Raman imaging</i>
11:40	Workshop 3 <i>Mr Bruno Beccard, ThermoFischer – What can Raman tell us about carbon allotropes?</i>
12:20	Workshop 4 <i>Mr Shane Woods, Metrohm – Orbital Raster Scan Technology</i>
12:50	Lunch – Poster Session
13:50	Workshop 5 <i>Dr Enrique Lozano, BWTEK – Evolution of Raman Technology from micro-Raman to portable</i>
14:30	Workshop 6 <i>Mr Godfrey Lekhuleni, Bruker – FT-Raman</i>
15:10	Workshop 7 <i>Dr Pierre Graves, Renishaw – Realtime surface profiling and Raman chemical imaging – the benefits of combining dynamic focus tracking and fast Raman imaging</i>
15:50	Vendor/Supplier Walkabout and Social – Poster Session

08:00	Registration - Tea/Coffee
08:45	<i>Prof Howell Edwards – Raman Spectroscopy in Art and Archaeology and the Preservation of Cultural Heritage at the Arts/Science Interface</i>
09:30	Workshop 8 <i>Dr Marc Chaigneau, AFM-Raman Product Manager, Horiba – NanoRaman: Multi-technique Analysis at the Nanoscale</i>
10:15	Poster Talks x 4 (10 mins each)
10:55	Coffee/Tea – Poster Session
11:25	<i>Prof Ncholu Manyala, UP – Confocal Raman microscopy analysis of graphene foam prepared on Ni and Ni(Cu) foam and polymer film samples</i>
11:55	<i>Prof Mervin Naidoo, Wits – Radiation damage in Diamond: A SBS, Raman and HRTEM study</i>
12:25	<i>Dr Nicolette Hendricks-Leukes, UCT – Electrochemical Surface Enhanced Raman Spectroscopy (EC-SERS)-based discrimination of mycobacteria: Toward label-free intrinsic detection</i>
12:55	Lunch – Poster Session
13:45	<i>Dr Raymond Taziwa, UFH – Confocal Raman spectroscopy characterization of titanium dioxide nanotubes on metal and functional substrates : effect of annealing temperature on isomorphic TiO₂ phase composition</i>
14:15	<i>Ms Boitumelo Matsoso, Wits – Investigation of the intrinsic properties of nitrogen doped graphene films using Raman spectroscopy</i>
14:45	<i>Mr Liberty Kapesi, UJ – Raman probing of carbon nanotube interlinking after ion implantation and pressurization</i>
15:15	<i>Mr Maxwell Vhareta, Wits – Micro-Raman and X-ray Diffraction stress analysis of residual stresses in fatigue loaded leached Polycrystalline Diamond discs</i>
15:45	Coffee/Tea
16:00	Prize Giving and Closing

