

7.30-8.30	REGISTRATION Oppenheimer Entrance Foyer
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8.30-9.30	<p align="center">34th BORIS BALINSKY L ECTURE Venue: Plenary/MS Hall (Oppenheimer Conference Room 2)</p> <p align="center"><u>MULTISCALE-MULTIMODAL IMAGING OF THE BRAIN: REVEALING SECRETS HIDING IN PLAIN SIGHT</u></p> <p align="center">PROF Mark H. Ellisman</p> <p align="center"><i>Chair: Dr Deran Reddy</i></p>
9.30-10.00	<p align="center"><u>MAKING EVERY ELECTRON COUNT: APPLICATIONS OF LOW DOSE ELECTRON PTYCHOGRAPHY</u></p> <p align="center">PROF. A. Kirkland</p> <p align="center"><i>Chair: Dr Deran Reddy</i></p>
10.00-10.30	<p align="center">COFFEE BREAK</p>



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SESSION 4	Venue: Plenary/MS Hall (Oppenheimer Conference Room 2) Chair: Dr Velile Vilane	Venue: LS Lecture Hall (Oppenheimer Conference Room 3) Chair: Dr James Wesley-Smith
10.30-11.00	<p style="text-align: center;">KEYNOTE</p> <p style="text-align: center;"><u>UNDERSTANDING THE PROCESS-STRUCTURE RELATIONSHIP OF VO_x/MgO CATALYSTS PREPARED BY SOLUTION COMBUSTION SYNTHESIS USING TEM</u></p> <p style="text-align: center;">P. Ntola, H.B. Friedrich, A.S. Mohamed, E.J. Olivier, A. Govender and S. Singh</p>	<p style="text-align: center;">KEYNOTE</p> <p style="text-align: center;"><u>MORE THAN JUST A PRETTY PICTURE: EXPLORING THE TRUE IMPORTANCE OF MICROSCOPY</u></p> <p style="text-align: center;">A.C. Swanepoel</p>
11.00-11.20	<p style="text-align: center;"><u>STUDY OF THE EFFECTS OF PROMOTERS (MnO_x and FeO_x) ON CoO₄/CeO₂ DURING CO-PROX</u></p> <p style="text-align: center;">N. Ndila, M. Jensen, P.J. Kooyman</p>	<p style="text-align: center;"><u>THE EFFECT OF CALCITRIOL ON CLOT FORMATION AND STRUCTURE IN PROSTATE CANCER</u></p> <p style="text-align: center;">J. Bester, M. Schultz and M. Hoek</p>
11.20-11.40	<p style="text-align: center;"><u>HR-EBSD ANALYSIS OF IN SITU STABLE CRACK GROWTH AT THE MICRON SCALE</u></p> <p style="text-align: center;">A. Koko, T.H. Becker, E. Elmukashfi, N.M. Pugno, T.J. Marrow</p>	<p style="text-align: center;"><u>INVESTIGATING THE EFFECTS OF COVID-19 VACCINES ON THE COAGULATION SYSTEM</u></p> <p style="text-align: center;">C. Venter and E. Pretorius</p>
11.40-12.00	<p style="text-align: center;"><u>CHARACTERISATION OF TRANSPARENT CONDUCTIVE OXIDES USING TRANSMISSION KIKUCHI DIFFRACTION</u></p> <p style="text-align: center;">J.E. Westraadt, U. Heitmann</p>	<p style="text-align: center;"><u>FIBRINALOID MICROCLOTS AND HYPERACTIVATED PLATELETS IN MYALGIC ENCEPHALOMYELITIS/CHRONIC FATIGUE SYNDROME</u></p> <p style="text-align: center;">J.M. Nunes and E. Pretorius</p>
12.00-12.20	<p style="text-align: center;"><u>TEM STUDY OF THE NANOSTRUCTURE AND PHASE OF THE Ag-Pt SYSTEM</u></p> <p style="text-align: center;">J.H. Neethling, J.H. O'Connell, E.J. Olivier, S. Allies</p>	<p style="text-align: center;"><u>EVALUATION OF APOPTOTIC IMPACT OF ATORVASTATIN ON PERIPHERAL BLOOD MONONUCLEAR CELLS INFECTED WITH <i>M. tuberculosis</i></u></p> <p style="text-align: center;">S. Sabeel, B. Motaung and R. Guler</p>
12.20-14.00	<p>LUNCH</p> <p>Venue: Barney's Restaurant</p>	

SESSION 5	Venue: Plenary/MS Hall (Oppenheimer Conference Room 2) Chair: Prof Rob Knutsen	Venue: LS Lecture Hall (Oppenheimer Conference Room 3) Chair: Dr Chantelle Venter	
14.00-14.20	<u>EFFECTS OF FEMTO-LASER CHIP BREAKER AND Ni-Mo BINDERS ON AISI1213 TURNING USING NbC-BASED INSERTS</u> R.M. Genga, P. Zeman, J. Brajer, J. Malý, T. Primus, M. Pešice, S. Huang, J. Vleugels, S. Ngongo, A. Janse van Vuuren	<u>NECTAR SPUR DEVELOPMENT IN Nemesia (SCROPHULARIACEAE)</u> H. Grobler, M. Jackson, and L. Joubert	
14.20-14.40	<u>IN-SITU TEM HEATING INVESTIGATION OF FISSION PRODUCT TRANSPORT IN POST IRRADIATED PBMR TRISO PARTICLE SIC LAYERS</u> E.J. Olivier, J.H. Neethling and J.H. O'Connell	<u>TRANSLOCATION, FATE AND BIOACCUMULATION STUDY OF MICRO- AND NANOPLASTICS IN MICE MODEL ORGANISMS</u> A. Gada, S. Muniyasamy, P. Hlangothi, P. Melariri and C. Hoyo	
		LS - POSTER SESSION	
14.40-15.00	<u>TOOL LIFE OF NbC-BASED CERMETS DURING FACE MILLING OF AUTOMOTIVE GCI</u> M.S. Rabothata, N.P. Mphasha, K. Phaka, P. Zeman, R.M Genga, C. Polese, S. Huang, J. Vleugels	14.40-14.50	<u>THE MORPHOANATOMY AND HISTOCHEMISTRY OF THE FOLIAR TRICHOMES OF <i>Combretum apiculatum</i> Sond. subsp. <i>apiculatum</i> (COMBRETACEAE)</u> M. Parusnath and Y. Naidoo
15.00-15.20	<u>EFFECTS OF TiC₇N₃ ADDITIONS AND SINTERING TECHNIQUE ON THE MICROSTRUCTURAL PROPERTIES OF NbC-BASED CERMETS</u> M.S. Rabothata, N.P. Mphasha, R.M. Genga, C. Polese, P. Zeman, S. Huang, J. Vleugels, A. Janse van Vuuren, N.B. Nelwalani	14.50-15.00	<u>TRICKY TRICHODINIDS WITH DAUNTING DENTICLES</u> J. Hastings, L. Basson and G.P. de Jager
15.20-15.40	<u>PRODUCTION OF SrVO₃ THROUGH CO-PRECIPIATION SYNTHESIS AND ANNEALING IN REDUCING ATMOSPHERE</u> E. Lee, R.A. Harris, J.J. Terblans, H.C. Swart	15.00-15.10	<u>A PRELIMINARY INVESTIGATION ON THE MORPHO-HISTOCHEMICAL ATTRIBUTES OF THE MEDICINAL PLANT, KEDROSTIS NANA (LAM.) COGN</u> K. Doolabh and Y. Naidoo
15.40-16.00	<u>SINGLE ELECTRON TRANSPORT IN SEMICONDUCTOR NANOSTRUCTURED DEVICES</u> N. Hanief, H. Howe, M.D. Blumenthal		
16.00–16.30	COFFEE BREAK		

16.30 -18.30



ANNUAL GENERAL MEETING

Venue: Plenary/MS Hall
(Oppenheimer Conference Room 2)

Chair: Dr Jaco Olivier



19.00

STUDENT EVENING

Venue: Gold Reef City Old Town Street

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