

CONFERENCE PROGRAMME

TECHNICAL FORUM

MONDAY 5 DECEMBER

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

07.30 - 08.30	<p>REGISTRATION Oppenheimer Entrance Foyer</p> <p>Technical Forum Sponsored by</p> 	
08.30 - 08.40	WELCOME AND OPENING REMARKS	
SESSION 1	<p>PLENARY Chair: Jaco Olivier</p>	
08.40 - 09.10	Alisa Govender	Applications of electron microscopy: Case studies from Sasol's cobalt catalyst development history
SESSION 2	<p>TRAINING AND PUBLISHING Chair: James Wesley-Smith</p>	
09.10 - 09.30	Luc Harmsen	How to train field staff on the potential of environmental conditions affecting microscope results
09.30 - 09.50	Martina Crole	Teach 'n eat. A method to engage veterinary science students with histology
09:50 - 10.10	Mike Lee	EDS: The good, the bad, the ugly and what not to report.
10:10 - 10:40	TEA	
SESSION 3	<p>INSTRUMENTATION Chair: Mike Lee</p>	
10:40 - 11.00	Andy Yarwood	Which TEM is best for your application?
11:00 - 11:20	Paul Spellward	Direct detection cameras for all TEM applications
11:20 - 11:40	Daniel Phifer	Phase identification accuracy improvements for SEM-EDS based mineralogical characterization
11:40 - 12:00	Eudri Venter	Choosing the correct SEM for your imaging requirements
12:00 - 12:20	Paul Spellward	Next generation hardware and powerful software for Energy Filtered TEM and EELS Spectroscopy

12.20 – 13.20	LUNCH
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MONDAY 5 DECEMBER – AFTERNOON	
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SESSION 5	FIB, EBSD AND X-RAY IMAGING Chair: Johan Westraadt	
13.20 - 13.40	Keith Dicks	Correlative Indexing with Dynamic Template Matching – Hybrid EBSD indexing beyond Library or Spherical Indexing
13.40 – 14.00	Paul Spellward	Advances in EBSD acquisition and analysis with new systems from EDAX
14:00 - 14.20	Hugo Fernandes	New advances in micro-computed tomography using spectral CT scanning
14.20 - 14.40	Mohsen Samadi Khoshkhoo	High spatial resolution X-ray microscopy - a new technology approach for the research laboratory
14:40 – 15:00	Daniel Phifer	Advanced Gallium-free (S)TEM sample preparation with multiple ion species FIB
15:00 – 15:20	TEA	
SESSION 6	GENERAL Chair: Jacques O’Connell	
15.20 – 15:40	Coenraad Snyman	Bell 430 helicopter accident investigation: the role of advanced microscopy and microanalysis
15:40 – 16:00	Mike Reiche	The African BioImaging Consortium: a microscopy community for biomedical researchers in Africa
16:00 – 16:20	Holisha Moodley	Introducing the Mica Microhub Imaging System from Leica Microsystems
16:20 – 16:40	Deniz Ugurlar	Thermo Fisher Scientific Cryo-EM workflows; Developed for the masses
16:40 – 17:00	Ben Barkay	Delong America Company Profile
17:00 – 17:05	CLOSING REMARKS	
17.30 - 21.00	<p style="text-align: center;">WELCOME COCKTAIL EVENT Venue: Oppenheimer Exhibition Hall (Conference Room 1)</p> <div style="text-align: right;"> <p>Sponsored by</p>  </div>	