



μ MSSA
6 & 7 DECEMBER 2007



www.microscopy.org.za

Tel: 0117948340

**A workshop on advances and applications in microscopy and microanalysis:
A South African View and discussion forum**

Thursday 6 December

08:00 – 09:00 Registration and Coffee:
09:00 – 09:15 Welcome and Introduction:

Session 1:

Advances and Applications in X-ray Microanalysis

09:15 – 09:45
Development and applications of silicon drift detectors
Mike Lee

09:45 – 10:15
Advantages of combined EDS/WDS analysis of minerals.
Craig Smith

10:15 – 10:45
Advantages and developments in low energy X-ray microanalysis
Mike Lee

10:45 – 11:15 **Tea**

11:15 – 12:30 **PANEL DISCUSSION**
Discussion forum by the delegates, trade representatives and the speakers

12:30 – 13:30 **Lunch**

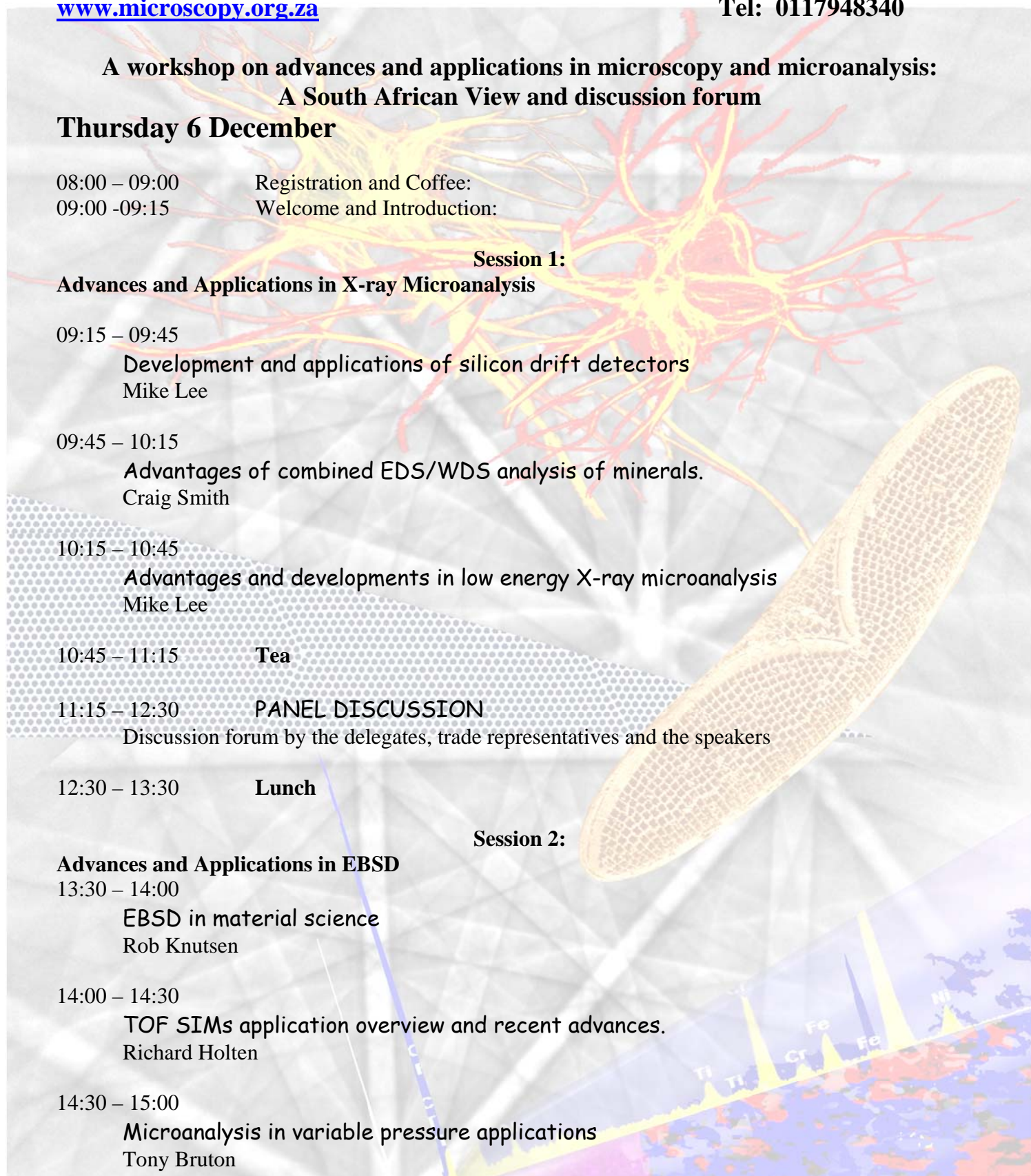
Session 2:

Advances and Applications in EBSD

13:30 – 14:00
EBSD in material science
Rob Knutsen

14:00 – 14:30
TOF SIMs application overview and recent advances.
Richard Holten

14:30 – 15:00
Microanalysis in variable pressure applications
Tony Bruton



15:00 – 1600 **PANEL DISCUSSION**
Discussion forum by the delegates, trade representatives and the speakers

18:00 Dinner at the Bright Water Commons, Randburg.

Friday 7 December

Session 3:

Advances and application in high resolution TEM

09:15 – 09:45

Applications of HRTEM in materials and minerals characterization

Jan Neethling

09:45 – 10:15

HRTEM in the development platinum based super alloys

Alistair Douglas

10:15 – 10:45

HRTEM in the development diamond composites

Johan Westraadt

10:45 – 11:15

Tea

11:15 – 12:30

PANEL DISCUSSION:

Discussion forum by the delegates, trade representatives and the speakers

12:30 – 13:30

Lunch

Session 4:

Advances and Applications in Confocal Microscopy

13:30 – 14:00

Applications of Confocal microscopy in biological sciences

Alan Hall

14:00 – 14:30

Applications of Confocal Laser Scanning microscopy in materials sciences

Kevin Land, Material Science Technology Group, CSIR

14:30 -15:30

PANEL DISCUSSION

Discussion forum by the delegates, trade representatives and the speakers

MSSA Annual General Meeting: 15:30 – 17:00