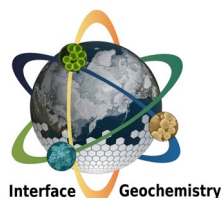




UNIVERSITY of the  
WESTERN CAPE



## Focused Ion Beam/Transmission Electron Microscopy Short Course UWC'23

### Monday 5.6.

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Registration and Welcome of Participants	08:30-09:00
<i>Prof. Burtram Fielding, Dean of Natural Sciences, UWC</i>	
Official Welcome Address	09:00-09:10
<i>Dr. Elizaveta Kovaleva, Earth Sciences, UWC</i>	
Introduction of the Speaker	09:10-09:15
<i>Dr. Richard Wirth, GFZ-Potsdam</i>	
Introduction and Technical Development	09:15-10:15
Coffee break	10:15-10:45
TEM Instrumentation	10:45-11:45
Lunch break	11:45-13:15
Electron Scattering	13:15-14:15
Coffee break	14:15-14:45
Electron Diffraction	14:45-15:45

### Tuesday 6.6.

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Contrast Theory	09:00-10:00
Coffee break	10:00-10:30
HREM	10:30-11:30
Lunch break	11:30-13:00
Analytical Electron Microscopy	13:00-14:00
Coffee break	14:00-14:30
EELS	14:30-15:30
Short comfort break	15:30-15:45
FIB Basics	15:45-16:15

### Wednesday 7.6.

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FIB and Applications	09:00-10:00
Coffee break	10:00-10:30
Nano-inclusions in Geomaterials	10:30-11:30
Lunch break	11:30-13:00
Crystal Defects	13:00-15:00
Coffee break	15:00-15:30
Micro- and Nanostructures in Minerals	15:30-16:30

### Thursday 8.6.

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Grain and Phase Boundaries	09:00-11:00
Coffee break	11:00-11:30
Micro- and Nano-inclusions in Diamond	11:30-12:30
Lunch break	12:30-14:00
Exsolution Features	14:00-15:00
Coffee break	15:00-15:30
Exsolution Features (cont.)	15:30-16:30

### Friday 9.6.

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Symplectites	09:00-11:00
Coffee break	11:00-11:30
Microstructure and Geochronology	11:30-12:30
Lunch break	12:30-14:00
Geobiology	14:00-15:00
Coffee break	15:00-15:30
Exploring Solid State Materials	15:30-16:30
<i>Dr. Elizaveta Kovaleva, Earth Sciences, UWC</i>	
Closing Remarks and Vote of Thanks	16:30-16:40