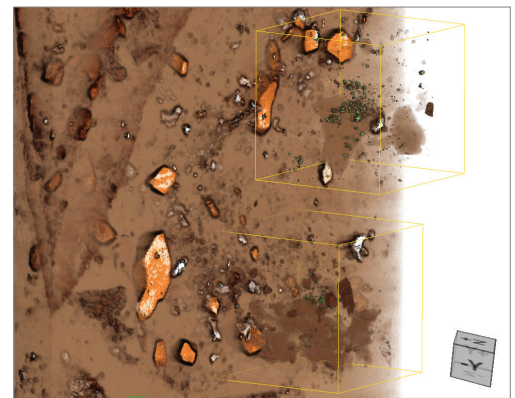




Inside Out: X-ray Microscopy

Join us for an exceptional and interactive full-day workshop as we share some of the latest discoveries in understanding your minerals “from the inside out” as is only possible with 3D X-ray technology. Hear from leading experts from around the world and get your hands on the tools that will make a difference to your discovery process. Students are invited to submit abstracts regarding their own discoveries for a “fresh out of the lab” perspective.

You will learn where X-ray microscopy (XRM) fits into the mining value chain, the power of interior tomography to enable tailings analysis, where your gold deposits may be hidden, the importance of 3D data in trace mineral studies, how to characterize ore deposits, and other topics.



Volume segmentation showing interior location of gold in rock / soil sample

Agenda

08:30 – 09:15	Registration and light breakfast
09:15 – 09:30	Introductions, Dr. Ben Tordoff, ZEISS Microscopy
09:30 – 10:15	Prof. Jan Miller, University of Utah <i>High throughput applications of CT in the mining industry</i>
10:15 – 10:45	Student talks (3 x 5 mins) & 10 mins for discussion
10:30 – 10:45	Morning Tea
10:45 – 11:15	Dr. Cathy Evans, University of Queensland <i>Quantifying mineral texture using X-ray micro-tomography – are we there yet?</i>
11:15 – 11:40	Student talks (3 x 5 mins) & 10 mins for discussion
11:45 – 12:30	Dr. Chris Brough, Petrolab Ltd., UK. <i>Application of high resolution in situ X-ray Microscopy to problems in Acid Rock Drainage</i>
12:30 – 1:15	Lunch
13:15 – 15:30	Workshop: Practical solutions to mineral processing issues using the mineral processor’s toolkit Workshop leaders: Prof. Dee Bradshaw, Dr. Megan Becker, and Dr. Edson Charikinya, University of Cape Town Group Leaders: Prof. Jan Miller; Dr. Chris Brough; James Strongman, PetroLab Ltd.; Dr. Cathy Evans; Dr. Elaine Wightman, University of Queensland; Dr. Robert Schouwstra, University of Cape Town
15:30 – 16:00	Group presentations and winner announcement
16:00	Process Mineralogy 2017 welcome reception

To register, visit: www.zeiss.com/capetownworkshop

