

“Raman on the Rocks – 3D Confocal Raman Microscopy in Geoscience Research”

Workshop venue:

UPC - Campus Diagonal-Besòs, Av. d'Eduard Maristany, 16, 08930 Sant Adrià de Besòs, Barcelona, Spain

Workshop room number: A.1.6 (1st floor)

WITec Workshop Program:

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|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:30 – 9:00 | Registration |
| 9:00 – 9:15 | Welcome |
| 9:15 – 10:00 | Raman on the Rocks: An introduction to 3D Raman imaging and its applications in Geosciences, Jan Toporski, WITec GmbH, Ulm, Germany |
| 10:00 – 10:30 | New perspectives in Correlative Raman & SEM Imaging (RISE Microscopy) Ute Schmidt, WITec GmbH, Ulm, Germany |
| 10:30 – 10:45 | Coffee Break |
| 10:45 – 11:30 | Raman spectroscopy and the search for the oldest fossils on Earth
Frances Westall, CNRS Orleans, Centre de Biophysique Moleculaire, Orleans, France |
| 11:30 – 12:15 | Raman imaging in UHPM petrology
Andrey Korsakov, Russian Academy of Science, Sobolev Institute for Geology and Mineralogy, Novosibirsk, Russia |
| 12:15 – 13:00 | Lunch Break |
| 13:00 – 13:45 | The use of confocal Raman in the detection of life on early Earth and Mars
Andrew Steele, Geophysical Laboratory, Carnegie Institution of Washington, Washington DC; USA |
| 13:45 – 14:00 | Raman microscope configurations for Geoscience applications |
| 14:00 – 15:30 | Hands-on live demonstration of a Raman imaging system: 2D & 3D Raman Imaging, particle & surface analysis Data evaluation and spectral imaging post processing Ute Schmidt, WITec GmbH, Ulm, Germany |
| 15:30 | Coffee, discussion and individual knowledge exchange |
| 17:00 | End of Workshop |

➔ You can also visit us at our WITec Booth No. 47 at the Goldschmidt Conference 2019