

>> Confocal Raman Imaging Workshop

December 05 - 06, 2017, Carnegie Institution, Washington DC, USA

This workshop will provide a detailed introduction to the operational principles and instrumental configurations relevant to confocal Raman imaging along with associated techniques suitable for correlative measurements, such as AFM, SNOM, and SEM.

During the two-day workshop speakers from prestigious institutes will cover various aspects of Raman imaging in their fields of application. Speakers from WITec will demonstrate the latest advances in instrument and equipment development.

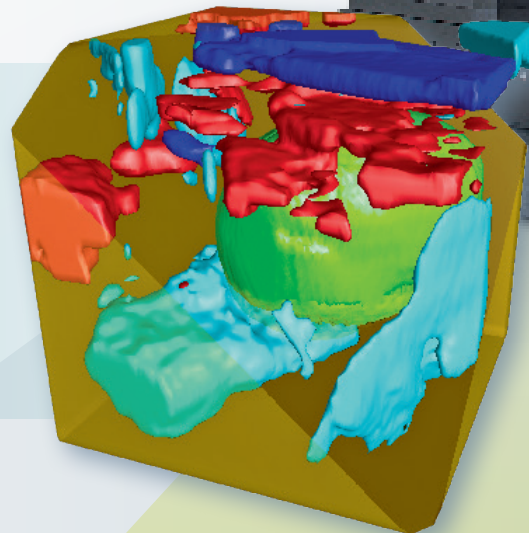
Scientists interested in chemically identifying and imaging compounds at the highest spatial and spectral resolution are invited to participate.

The number of participants is limited, so please register early to reserve your place. Attendance is free of charge.

Equipment Demonstration

During the workshop there are several slots for equipment demonstrations available. The demos will take place on campus. If you are interested in a demo session please check the box on the registration form. Our event coordinator will contact you as soon as possible to arrange individual appointments.

Places will be allocated on a first-come first-served basis.





Workshop Program

Tuesday, 05. December 2017

09.30 - 10.15	Registration & Coffee
10.15 - 10.30	Welcome Note by WITec
10.30 - 11.15	Jan Toporski, WITec, Ulm, Germany <i>High-performance Confocal Raman Imaging – Principles and Applications</i>
11.15 - 12.00	Larry Nittler, Carnegie Institution, Dept. of Terrestrial Magnetism, Washington DC, USA <i>Non-destructive Identification and Characterization of Rare Types of Presolar SIC Stardust</i>
12.00 - 12.45	Erik Emmons, Edgewood chemical Biological Center, Aberdeen Proving Ground, Maryland, USA <i>Raman Spectroscopy and Chemical Imaging for Defense Applications</i>
12.45 - 13.45	Lunch snack provided by WITec
13.45 - 14.30	Dina Bower, NASA Goddard Space Flight Center, Greenbelt, USA <i>Detecting Ancient Life on Mars with Micro Raman Spectroscopy: Lessons Learned from Earth Analogs</i>
14.30 - 15.15	Andrew Steele, Carnegie Institution, Geophysical Laboratory, Washington DC, USA <i>Confocal Raman Imaging Spectroscopy in the Earth and Planet Sciences, fad or fab?</i>
15.15 - 16.00	Coffee Break
16.00 - 16.45	Admir Masic, MIT, Cambridge, USA <i>Multiscale Correlative Raman Microscopy: Techniques and Applications</i>
17.00 - 21.00	WITec holiday party & open discussion at Greenwalt Building

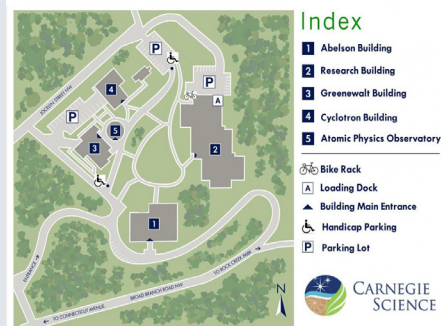
Wednesday, 06. December 2017

09.30 - 10.15	Registration & Coffee
10.15 - 10.30	Welcome Note by WITec
10.30 - 11.15	Jan Toporski, WITec, Ulm, Germany <i>Witec Instrumentation Portfolio and News</i>
11.15 - 12.00	Richard Mendelsohn, Rutgers University, Newark, USA <i>Vibrational Microscopy and Imaging: Applications to Skin Pharmacology</i>
12.00 - 12.45	A. Glen Birdwell, U.S. Army Research Laboratory, Adelphi, USA <i>Befuddled by a bifold</i>
12.45 - 13.45	Lunch snack provided by WITec
13.45 - 14.30	Karen Smit, Gemology Institute of America <i>Using Raman Imaging and PL Mapping to Understand Zimbabwe Diamond Growth</i>
14.30 - 15.15	Marina Leite, University of Maryland, College Park, USA <i>Functional Imaging of Materials for Energy Applications</i>
15.15 - 16.00	Coffee Break
16.00 - 16.45	My Riebe, Carnegie Institution, Dept. of Terrestrial Magnetism, Washington DC, USA <i>Alteration of Organic Matter in Cosmic Dust During Collision With the Earth's Atmosphere: Dues from Raman and Other Techniques</i>

Location

The workshop will take place at the
**Carnegie Institution
Greenwalt Building
5251 Broad Branch Rd. NW
Washington, DC 20015**

Broad Branch Road Campus



Accommodation

**Accommodation: Conference Hotel
MARRIOTT HOTEL CORTYARD CHEVY CHASE
5520 Wisconsin Ave, Chevy chase, MD 29815**

The hotel provides a special rate of \$179 per night for WITec symposium guests. For booking please follow the link on our workshop website www.witec.de/resources-and-education/workshops/worksho-carnegie2017. The special room rate is open until November 21, 2017 and available on a first-come first-served basis.

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Registration

For registration please visit:

www.witec.de/resources-and-education/workshops/workshop-carnegie2017

