



Oxford Instruments 'Lunch & Learn' Series + NanoEarth Industry Seminar Series

Introduction to WITec Apyron: Automated Confocal Raman Microscopy and its applications

Oxford Instruments WITec takes automated confocal Raman microscopy (CRM) imaging to the next level combining ease of use & ultimate correlative versatility with its award winning Alpha300 Apyron. This state of the art CRM combines automating hardware control with ultimate capability, streamlining the experimental workflow for reproducible results with unrivaled speed, sensitivity and resolution. This presentation will describe Apyron's design innovations, and offer some application examples across many disciplines of science & engineering including polymers, 2D materials, geological related materials.

Other WITec CRM innovations include in field imaging with its alphaCART portable confocal Raman system, the fully addressable 300mm large sample CRM Semiconductor Edition, or correlative Raman in SEM with the RISE platform.

Presenter Bio

Ryan Fuierer started his career in 2006 with Asylum Research, a US based manufacturer of premium AFMs. His academic training includes a doctoral degree in chemistry from North Carolina State University working with self assembled monolayers (SAMs) in research towards molecular electronics. This was followed with postdoctoral work at UNC Chapel Hill pulling proteins apart via AFM.

Ryan has worked for Oxford Instruments since 2012, and currently is part of Oxford's Imaging Technology team which includes Asylum Research AFMs and WITec confocal Raman microscopes.

Ryan lives in the Raleigh Durham area of North Carolina.

Lunch will be provided by Oxford Instruments.
Please register to attend: <https://forms.gle/jGADBpLa65GifjB7>

Location:

210 Kelly Hall & virtual

Date:

January 16, 2024

Time:

11:00 am – 12:00 pm

Presenter:

Ryan Fuierer, PhD



MATERIALS ANALYSIS

