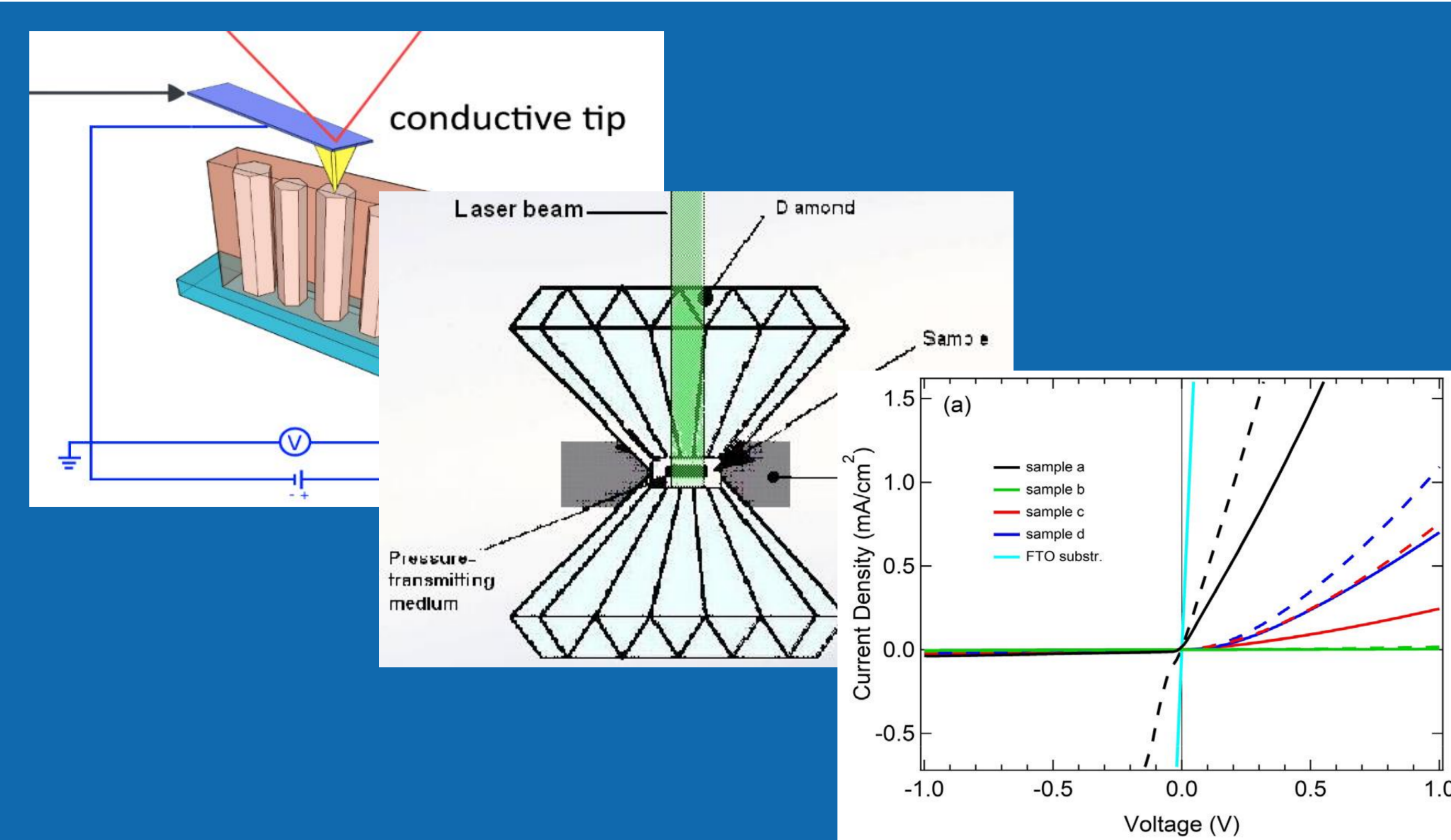




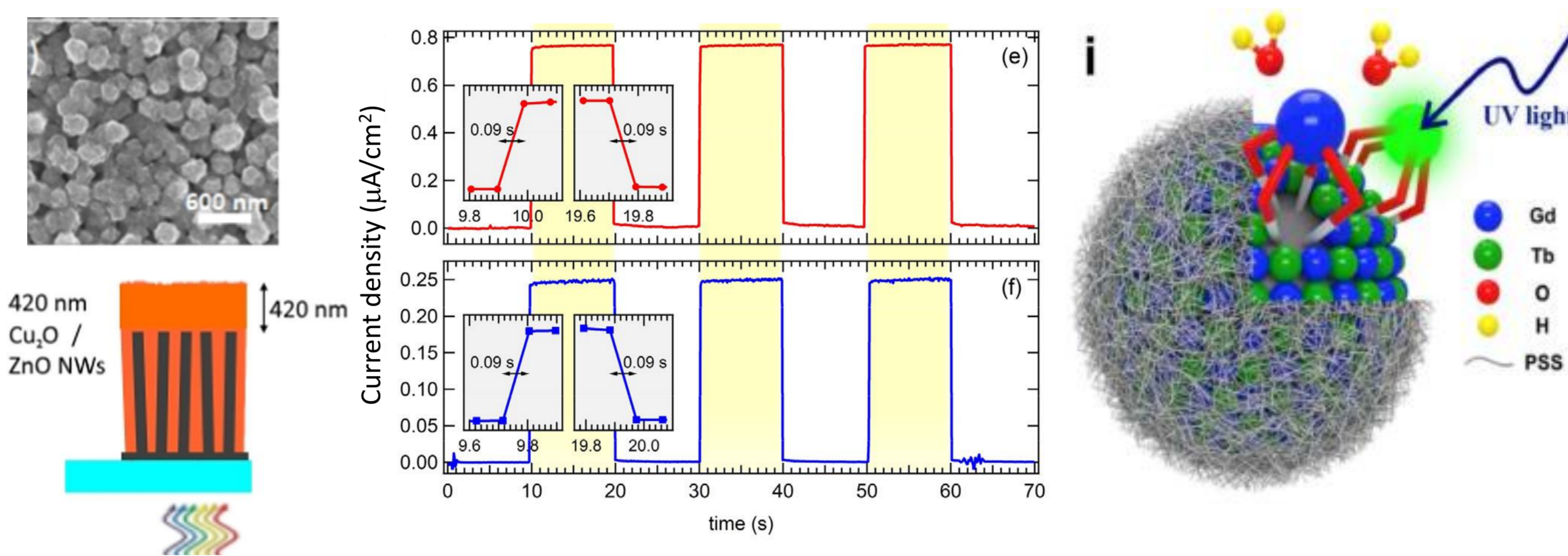
Experimental Physics @ LTU

Advanced Nanomaterials and Spectroscopy

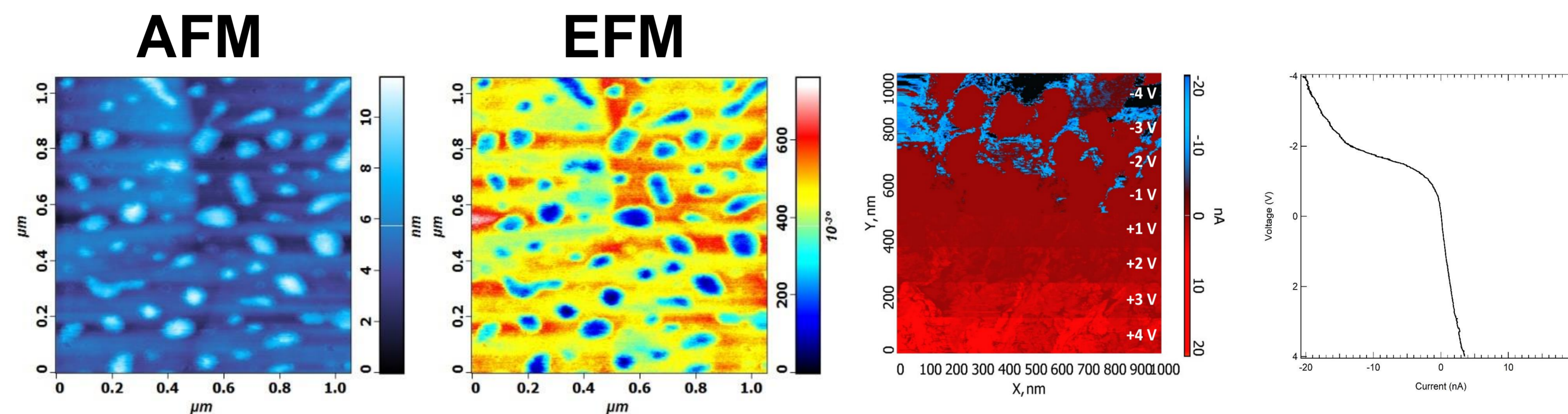


The Experimental Physics Subject at the Luleå University of Technology is specialized on the synthesis and characterization of advanced nanomaterials for applications in energy, environmental remediation and high pressure. Strong expertise is present on both nanomaterials synthesis through chemical and physical deposition routes and characterization through optical spectroscopies and scanning probe microscopies.

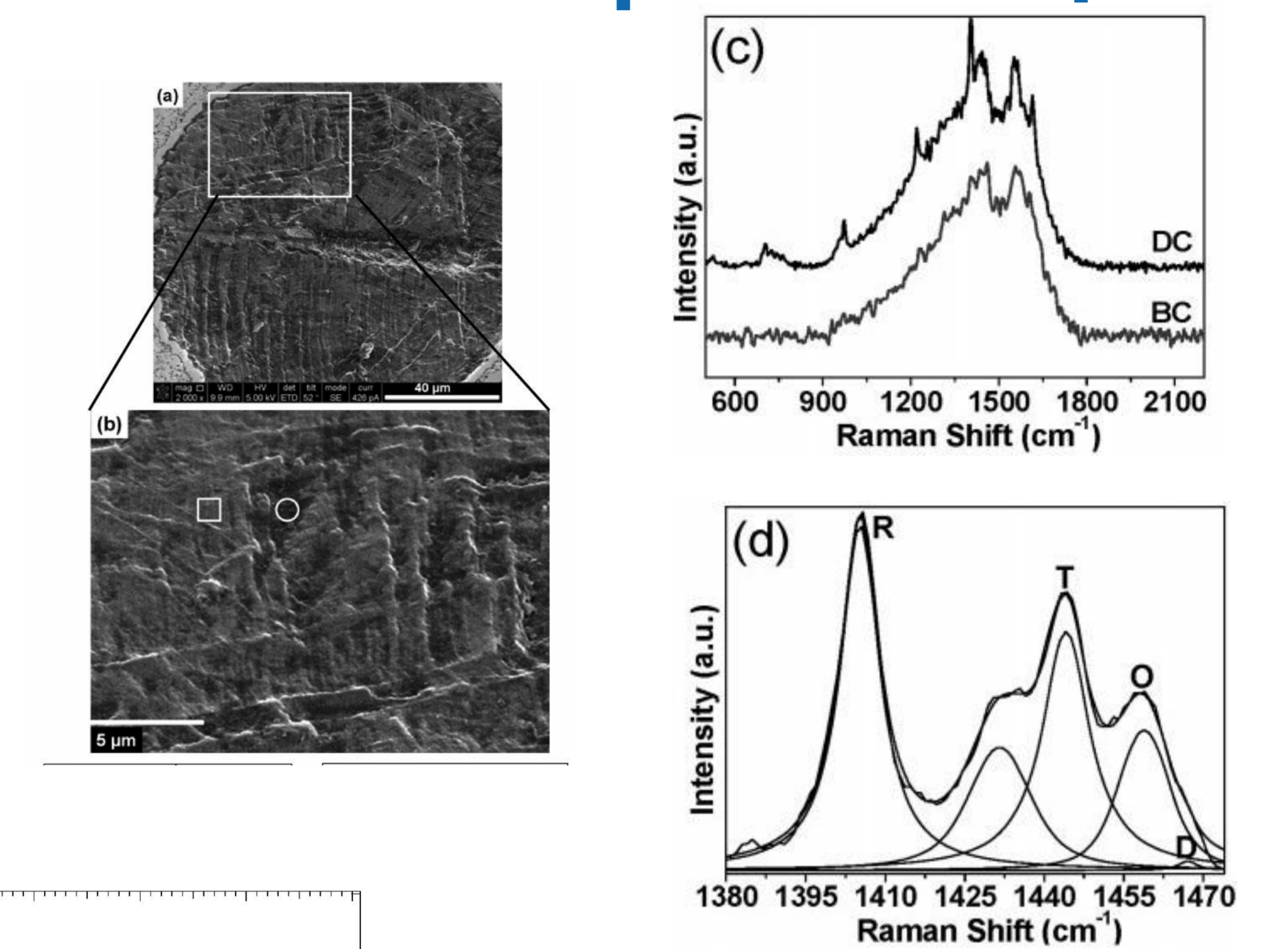
Nanomaterials for energy



Scanning probe microscopy



High-pressure and advanced spectroscopies



EEIGM Teachers/Researchers involved

Isabella Concina

Expertise : Chemical synthesis of nanomaterials for environmental applications

Teaching : Methods for nanomaterials synthesis and functional characterization

Alexander Soldatov

Expertise: High-pressure physics and spectroscopies

Teaching: Advanced spectroscopies



Nils Almqvist

Expertise: Advanced characterization in nanobiophysics and nanomaterials with focus on scanning probe methods (SPM)

Teaching: SPM and extendings



Alberto Vomiero

Expertise : Synthesis and characterization of nanomaterials for energy harvesting

Teaching : Methods for nanomaterials synthesis and functional characterization