Raman Workshop 2019

03-05 June 2019

ETH Zurich, Hönggerberg Campus, HCI J3

www.map.ethz.ch/raman-workshop

Final Program

Monday, 03 June		Tuesday, 04 June		Wednesday, 05 June	
		09.00	**Renato Zenobi (ETH Zurich)** Tip-enhanced Raman spectroscopy: Principles and application to 2D organic materials	09.00	**Lukas Novotny (ETH Zurich)** Near-field spectroscopy and control
09.00	**Registration**				
09.45	**Opening Remarks**				
10.00	**Eric Reusser (ETH Zurich)** An Introduction to Raman-Microscopy	09.45	**Ilaria Zardo (University of Basel, CH)** Phonons and phonon transport in semiconductor nanowires	09.45	**Jana Kalbacova (Horiba Scientific, D)** Tip-enhanced Raman spectroscopy combined with other scanning probe microscopy methods: Focus on 2D materials
		10.30	**Coffee Break**	10.30	**Coffee Break**
11.00	**Coffee Break**	10.45	**Admir Masic (Massachusetts Institute of Technology, USA)** Multi-scale and multi-spectral correlative chemical imaging of structural biological and archaeological materials	10.45	**Nuno Valente (F. Hoffmann-La Roche, CH)** The usage of Raman spectroscopy in the pharmaceutical industry
11.15	**Jürgen Popp (Friedrich Schiller University Jena, D)** Raman for better health care – Towards personalized medicine	11.30	**Gergő Kukucska (ELTE, HU)** Simulation of Raman spectra based on first principles methods	11.30	**Thomas Weymuth (ETH Zurich)** Computational Raman optical activity
12.00	**Lunch Break**	12.00	**Lunch Break**	12.00	**Lunch Break**
13.00	**Miguel Bañares (Spanish National Research Council CSIC, ES)** Raman spectroscopy during catalysis, in situ and operando methods	13.00	**Andrea Ferrari (University of Cambridge, GB)** Advances in Raman spectroscopy of graphene and related materials	13.00	**Andreas Zumbusch (University Konstanz, D)** Coherent Raman scattering microscopy
13.45	**Tatiana Kochetkova (Empa, CH)** Polarized Raman spectroscopy as a method for indirect estimation of collagen fibrils spatial orientation in bone	13.45	**Sarah Bohndiek (University of Cambridge, GB)** Raman spectroscopy for disease diagnosis and monitoring	13.45	**Motohiko Murakami (ETH Zurich)** Exploration of deep planetary interiors with inelastic scattering
14.15	**Coffee Break**				
14.30	**Tiziana Lombardo (Swiss National Museum, CH)** Raman analyses to answer questions of cultural relevance: examples from the conservation science lab of the Swiss National Museum	14.30	**Coffee Break**	14.30	**Concluding Remarks**
15.30	**Instrument Demos**	14.45	**Interactive Sessions**		
		16.00	**Networking Apero**		

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