

TERS-6 Agenda

Wednesday August 16th, 2017

**Subject to change*

8 am-11 am	Exhibitor set-up and Registration		
10: 00 am	Bus leaves hotel for NIST		
11:00 am	Welcome		
11:15 am	Invited	Rick Van Duyne USA	Nanoscale Chemical Imaging with UHV and EC-TERS
11:50 am	Contributed	Thiago L. Vasconcelos <i>Brazil</i>	Optically Tunable Tip Pyramids for TERS
12:10 pm	Contributed	Damien Eschimese <i>France</i>	High Performance Micro/Nanofabricated AFM-TERS Probes based on a Metallic Nanocone/Nanodisk Integrated on a Silicon Cantilever
12:30	Lunch/Posters/Exhibits		
1:45 pm	Invited	Lasse Jensen USA	Single Molecule Imaging Using Atomistic Near-Field TERS
2:20 pm	Contributed	Chahinez Dab <i>Canada</i>	Tip-Enhanced Hyper-Raman Spectroscopy (TEHRs) for Nanoelectronics
2:40 pm	Contributed	Andrea Centrone <i>USA</i>	Photothermal Induced Resonance, A Novel AFM Method to Measure IR Chemical Composition, Band Gap and Thermal Conductivity at the Nanoscale
3:10 pm	Break/Posters/Exhibits		
3:45 pm	Invited	Bin Ren China	TERS for Nanoscale Characterization of Surface Reaction and Dynamics
4:20 pm	Contributed	Emanuele Poliani <i>Germany</i>	TERS of Isotopically Engineered ¹² C/ ¹³ C Graphene Super Lattices and Channels

4:40 pm	Contributed	Chanwoo Lee <i>Korea</i>	Revealing Defect-Related Raman Mode of Monolayer WS ₂ via Resonant TERS
5:00 pm	Contributed	Jacek Szczerbinski <i>Switzerland</i>	Understanding Photodamage in Plasmonic Hot Spots
5:20 pm	Posters/Exhibits/Beer/hors d'oeuvre <i>Thank you Sponsors!</i>		
6:50 pm	Bus to hotel		

Thursday August 17th, 2017

8:15 am	Bus leaves Hotel		
9:00 am	Invited	Renato Zenobi <i>Switzerland</i>	2-Dimensional Polymers Studied by TERS
9:35 am	Contributed	Andrea Rossi <i>Italy</i>	Organic Patterned Samples by Electron Beam for Gap-Mode STM TERS and Chemical Imaging
9:55 am	Contributed	Thomas P. Darlington <i>USA</i>	Intra-Bubble Strain Texture Controls Nanoscale Localization of Defect-Bound Excitons in Monolayer WSe ₂ at Room Temperature
10:25 am	Break		
11:00 am	Invited	Joanne Atkin <i>USA</i>	Semiconducting Nanostructures for Mid-Infrared Plasmon-Enhanced Spectroscopy
11:35 am	Contributed	Sergey S. Kharintsev <i>Russia</i>	Plasmon-Enhanced Stimulated Raman Scattering with Refractory Titanium Nitride Nano-Stripes
11:55 am	Contributed	Andrey Krayev <i>USA</i>	Grain Boundaries and Nanoscale Heterogeneities in Monolayer MoSe ₂ Revealed by Correlated SPM and TERS
12:25 pm	Lunch/Posters/Exhibits		

1:30 pm	Contributed	Xu Chen <i>USA</i>	Electrochemical TERS: <i>In Situ</i> Mechanistic Studies
1:50 pm	Contributed	T. Touzallin <i>France</i>	Complex Electron Transfer Pathway at a Microelectrode Captured by in situ Nanospectroscopy
2:20 pm	Contributed	Prabhat Verna <i>Japan</i>	Nano-Light-Source for Background-Free TERS
2:40 pm	Contributed	Derek Nowak <i>USA</i>	Nanoscale Strain Mapping via Photo-Induced Force Microscopy (PiFM)
3:10	Company Intros		
3:45 pm	Break/Posters/Exhibits Running of Samples!		
5:45 pm	Bus leaves for Hotel		
6:30 pm	Conference Dinner @ Hotel <i>Sponsored by Horiba</i>		

Friday August 18th, 2017

8:15 am	Bus leaves Hotel		
9:00 am	Invited	Markus B. Raschke <i>USA</i>	Multimodal Tip-Enhanced Spectroscopy
9:35 am	Contributed	Dmitri Voronine <i>USA</i>	TERS of 2D Materials in the Quantum Limit
9:55 am	Contributed	Erin Wood <i>USA</i>	A Systematic Evaluation of Lithographically Printed Strained Si Test Structures
10:15 am	Contributed	Dario Imbraguglio <i>Italy</i>	Investigations on the Use of Thin Adhesion Layers in Top-Illumination AFM TERS
10:35 am	Break		
11:15 am	Invited	Katrin Domke <i>Germany</i>	Electrochemical TERS elucidates potential-induced molecular reorientation and chemical conversion
11:50 am	Contributed	Michael Mattei <i>USA</i>	Investigating Site-Specific Electrochemistry with TERS

12:10 pm	Contributed	Hai-Sheng Su <i>China</i>	Probing the Electronic Properties of Pt-Au Bimetallic Catalyst by Tip-Enhanced Raman Spectroscopy
12:30 pm	Invited	Eric Potma <i>USA</i>	Surface-Enhanced Coherent Anti-Stokes Raman Scattering
1:05 pm	Lunch/Posters/Exhibits		
2:15 pm	Wrap up		
2:30- 6:00	Exhibits and Running Samples		
6:00 pm	Bus to hotel		