



[TuAM-02] Vibrational Microscopy 1: Coherent and Stimulated Raman

Date / Time Aug. 28 (Tue.), 2018 / 10:00-12:00

Place 301 (Room E)

[TuAM-02-K-1] (Keynote) 10:00-10:30

A New Switching-off Mechanism for Enhanced Resolution of Coherent Raman Imaging

Minhaeng Cho

IBS and Korea University

[TuAM-02-I-2] (Invited) 10:30-10:50

In-line Balanced-Detection Stimulated Raman Scattering Microscopy

Vikas Kumar, Francesco Crisafi, Marco Marangoni, Giulio Cerullo, and Dario Polli

Politecnico di Milano, Italy

[TuAM-02-I-3] (Invited) 10:50-11:10

Single-Scan Measurement of the 3D Angles and the Orientation Parameter of Molecular Orientation

Young Jong Lee

National Institute of Standards & Technology, USA

[TuAM-02-I-4] (Invited) 11:10-11:30

Coherent Raman and Mid-IR Microscopy Using Shaped Femtosecond Pulses

Niklas Müller, Lukas Brückner, and Marcus Motzkus

Universität Heidelberg, Germany

[TuAM-02-O-5] 11:30-11:45

Manipulating Impulsive Stimulated Raman Spectroscopy with a Chirped Probe Pulse

Lorenzo Monacelli¹, Giovanni Batignani¹, Giuseppe Fumero¹, Carino Ferrante^{1,2}, Shaul Mukamel³, and Tullio Scopigno^{1,2}

¹Università di Roma "La Sapienza", Italy, ²Center for Life Nano Science, Italy, ³University of California, Korea

[TuAM-02-O-6] 11:45-12:00

Multimodal Nonlinear Imaging for Label-free Monitoring of Inflammation

Hyeonsoo Bae^{1,2,3}, Tobias Meyer^{2,3}, Gregor Matz⁴, Bernhard Messerschmidt⁴, Tatiana Kirchberger-Tolstik¹, Thomas Bocklitz^{2,3}, Michael Schmitt³, Andreas Stallmach¹, Ute Neugebauer^{1,2}, and Jürgen Popp^{2,3}

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