

[WeAM-03] Analytical Raman Techniques / Instrumentations-07	
Date / Time	Aug. 29 (Wed.), 2018 / 10:00-12:00
Place	Halla B (Room B)
Session Chair	Sangwoon Yoon (Chung-Ang University, Korea)

[WeAM-03-K-1] (Keynote) 10:00-10:30

Advances in CARS Spectroscopy and Imaging Using a Supercontinuum Light Source

Hideaki Kano¹, Hiroaki Yoneyama¹, Kazuhiro Sudo², Philippe Leproux^{3,4}, Vincent Couderc³, and Akihito Inoko⁵
¹University of Tsukuba, Japan, ²RIKEN BioResource Center, Japan, ³Institut de Recherche XLIM, France, ⁴LEUKOS, France, ⁵Aichi Cancer Center Research Institute, Japan

[WeAM-03-I-2] (Invited) 10:30-10:50

Self-Healing Polymers Studied by Simultaneous CARS and Laser Reflection Microscopy

Robert Geitner¹, Fisseha-Bekele Legesse¹, Natascha Kuhl¹, Thomas W. Bocklitz^{1,2}, Stefan Zechel¹, Jürgen Vitz¹, Martin Hager¹, Ulrich S. Schubert¹, Benjamin Dietzek^{1,2}, Michael Schmitt¹, and Jürgen Popp^{1,2}
¹Friedrich Schiller University Jena, Germany, ²Leibniz Institute for Photonic Technology (IPHT), Germany

[WeAM-03-I-3] (Invited) 10:50-11:10

Simultaneous Raman and Photothermal Infrared Spectroscopy at Submicron Spatial Resolution

Curtis Marcott¹ and Craig Prater²
¹Light Light Solutions, USA, ²Anasys Instruments, USA

[WeAM-03-O-4] 11:10-11:25

Sub-Microsecond Vibrational Spectroscopy of the Bacteriorhodopsin Photocycle in a Single-Shot

Markus Mangold¹, Jessica L. Klocke², Markus Geiser¹, Pitt Allmendinger¹, Andreas Hugli¹, Pierre Jouy^{1,3}, Jerome Faist³, and Tilman Kottke²
¹IRsweep AG, Switzerland, ²Bielefeld University, Germany, ³IQE, Switzerland

[WeAM-03-O-5] 11:25-11:40

Raman and Fluorescence Spectra of UV or Proton Exposed Linens, Tentative to Evaluate some of the Hypotheses on the Shroud of Turin Image Formation

Jean-Pierre Laude
 Retired Research Director of Horiba Jobin-Yvon, France

[WeAM-03-O-6] 11:40-11:55

Observation of Residual Stress on 4H-SiC in Contact with an Electrode at High-Temperatures above 200°C by Micro-Raman Imaging

Satoshi Suwa, Jun Suda, Shugo Mizuno, Kouki Togo, Ryota Uchida, and Ituki Tsuchiya
 Chukyo University, Japan