

CONFERENCE PROGRAM

WEDNESDAY 14

13:00-14:00	Registration
14:00-14:15	Opening
SESSION CHAIR: Renato Bozio, University of Padova	
14:15-15:00	<p>Keynote Speaker 1</p> <p>Giulio Cerullo <i>IFN-CNR, Dipartimento di Fisica, Politecnico di Milano, Milano</i></p> <p>Advances in Coherent Raman Scattering Microscopy</p>
15:00-15:20	<p>Talk 1</p> <p>Riccardo Cicchi <i>INO-CNR and LENS, University of Florence</i></p> <p>Tissue diagnostics and classification using multimodal fiber-probe spectroscopy</p>
15:20-15:40	<p>Talk 2</p> <p>Dario Polli <i>IFN-CNR, Dipartimento di Fisica, Politecnico di Milano</i></p> <p>Broadband Fourier-Transform Stimulated Raman Scattering Microscopy</p>
15:40-16:00	<p>Talk 3</p> <p>Tiziana Cesca <i>Physics and Astronomy Department, University of Padova</i></p> <p>Third-order nonlinear optical properties of 2D plasmonic nanoprism arrays: spectral and dichroic effects</p>
16:00-16:20	<p>Talk 4</p> <p>Marta Olszowka <i>Dipartimento di Chimica e Chimica Industriale, Università di Pisa</i></p> <p>Effective modelling of Resonance Raman spectra of doxorubicin in aqueous solution</p>
16:20-16:50	Coffee Break
SESSION CHAIR: Maria Grazia Giorgini, University of Bologna	
16:50-17:10	<p>Talk 5</p> <p>Tommaso Giovannini <i>Scuola Normale Superiore, Pisa</i></p> <p>A Quantum-Mechanical approach to Raman Optical Activity to model solvent and resonance effects</p>
17:10-17:30	<p>Talk 6</p> <p>Barbara Rossi <i>Elettra – Sincrotrone Trieste</i></p> <p>UV Raman and Brillouin scattering experiments for probing solute-solvent interactions in cyclodextrin aqueous solutions</p>

17:30-17:50	<p style="text-align: center;">Talk 7</p> <p>Maria Ricci <i>Dipartimento di Chimica, Biologia e Biotecnologie, Università di Perugia</i></p> <p style="text-align: center;">Raman spectroscopy for the characterization of Glioblastoma cells</p>
17:50-18:00	Sponsor - Renishaw
18:00-18:10	Sponsor - Witec-LOT
18:10-18:20	Sponsor - Crisel Instruments
18:20-18:30	Sponsor - ThermoFisher

THURSDAY 15

SESSION CHAIR: Giuletta Smulevich, University of Firenze	
09:00-09:45	<p>Keynote Speaker 2</p> <p>Luis Liz-Marzan <i>CIC biomaGUNE, San Sebastián, Spain</i></p> <p>Hybrid Substrates for SERS Biodetection</p>
09:45-10:05	<p>Talk 8</p> <p>Pietro Galinetto <i>Dipartimento di Fisica, Università di Pavia</i></p> <p>Glass supported gold nanostars monolayers coated with ultrathin silica films: reusable and robust substrates for SERS sensing</p>
10:05-10:25	<p>Talk 9</p> <p>Chiara Zanchi <i>Dipartimento di Energia, Politecnico di Milano</i></p> <p>SERS spectroscopy towards quantitative molecular sensing of drugs</p>
10:25-10:45	<p>Talk 10</p> <p>Silvia Dalla Marta <i>Engineering and Architecture Department, University of Trieste and Instituto de Estructura de la Materia, IEM-CSIC, Madrid, Spain</i></p> <p>Solid SERS substrates optimized for quantitative analysis applied to anticancer drugs in biofluids</p>
10:45-11:20	Coffee Break
SESSION CHAIR: Moreno Meneghetti, University of Padova	
11:20-11:40	<p>Talk 11</p> <p>Giuletta Smulevich <i>Università degli Studi di Firenze, Dipartimento di Chimica</i></p> <p>Insights into the programmed cell death: molecular mechanism of the cytochrome c-cardiolipin interaction</p>
11:40-12:00	<p>Talk 12</p> <p>Alberto Girlando <i>Dipartimento di Chimica, Università di Parma</i></p> <p>Raman Identification of Polymorphs in Pentacene Films</p>
12:00-12:20	<p>Talk 13</p> <p>Ivano Alessandri <i>INSTM and Chemistry for Technologies Laboratory, Mechanical and Industrial Department, University of Brescia</i></p> <p>All-Dielectric SERS with T-Rex Beads: Recent Advances and Perspectives</p>
12:20-12:40	<p>Talk 14</p> <p>Lucia Comez <i>CNR-IOM, c/o Dipartimento di Fisica e Geologia, Perugia</i></p> <p>The solvation process in hydrophilic/hydrophobic bio-systems as probed by extended depolarized light scattering (EDLS) experiments</p>

12:40-13:45	Lunch
13:45-15:15	Guided Tour to Palazzo Bo
14:15-15:15	Meeting GISR
SESSION CHAIR: Alberto Girlando, University of Parma	
15:15-16:00	<p>Keynote speaker 3</p> <p>Jurgen Hauer <i>Photonics Institute, TU Wien, Vienna, Austria</i></p> <p>Vibrational-excitonic coupling in natural and artificial light harvesters</p>
16:00-16:20	<p>Talk 15</p> <p>Luigi Sirleto <i>Institute for Microelectronics and Microsystems, CNR, Napoli</i></p> <p>Stimulated Raman scattering in between nano and biophotonics applications</p>
16:20-16:40	<p>Talk 16</p> <p>Irene Vassalini <i>INSTM and Chemistry for Technologies Laboratory, Mechanical and Industrial Department, University of Brescia</i></p> <p>“Stainless” Gold Nanorods: Preserving Shape, Optical Properties, and SERS Activity in Oxidative Environment</p>
16:40-17:00	Coffee Break
17:00-18:45	Poster session
20:30	Social Dinner

Friday 16

SESSION CHAIR: Armida Torreggiani, CNR, Bologna	
09:00-09:45	<p style="text-align: center;">Keynote Speaker 4</p> <p style="text-align: center;">Sebastian Schlücker <i>University Duisburg-Essen, Physical Chemistry I and Center for Nanointegration (CENIDE), Essen, Germany</i></p> <p style="text-align: center;">Surface-Enhanced Raman Spectroscopy and Imaging with Tailor-Made Plasmonic Nanoparticles</p>
09:45-10:05	<p style="text-align: center;">Talk 17</p> <p style="text-align: center;">Alice Gualerzi <i>IRCCS Fondazione Don Carlo Gnocchi ONLUS, Laboratory of Nanomedicine and Clinical Biophotonics</i></p> <p style="text-align: center;">The Raman Spectroscopy Perspective In Human Skin Cancer Diagnosis</p>
10:05-10:25	<p style="text-align: center;">Talk 18</p> <p style="text-align: center;">Stefano Fornasaro <i>Dept. of Engineering and Architecture, University of Trieste</i></p> <p style="text-align: center;">Feasibility of a SERS-based point-of-care for therapeutic drug monitoring: the case of methotrexate</p>
10:25-10:45	<p style="text-align: center;">Talk 19</p> <p style="text-align: center;">Davide Comoretto <i>Dipartimento di Chimica e Chimica Industriale, Università di Genova</i></p> <p style="text-align: center;">Spectral redistribution of fluorescence intensity in all-polymer microcavities and distributed Bragg reflectors</p>
10:45-11:30	<p style="text-align: center;">Coffee Break</p>
SESSION CHAIR: Paola Sassi, University of Perugia	
11:30-11:50	<p style="text-align: center;">Talk 20</p> <p style="text-align: center;">Armida Torreggiani <i>I.S.O.F., Consiglio Nazionale delle Ricerche, CNR, Bologna</i></p> <p style="text-align: center;">Comparative Raman study of four Zn(II) metallothionein isoforms from plants</p>
11:50-12:10	<p style="text-align: center;">Talk 21</p> <p style="text-align: center;">Cettina Bottari <i>Elettra – Sincrotrone Trieste</i></p> <p style="text-align: center;">Effect of hydrophobicity/hydrophilicity balance of thermo-activated solvation mechanism in stimuli-responsive hydrogels based on cyclodextrin</p>
12:10-12:30	<p style="text-align: center;">Talk 22</p> <p style="text-align: center;">Alessandro Damini <i>Department of Chemistry, University of Torino and NIS Centre</i></p> <p style="text-align: center;">UV-Raman fingerprint of Brønsted sites in MFI zeolites</p>

12:30-12:50	<p style="text-align: center;">Talk 23</p> <p>Marco Santoro <i>Dipartimento di Scienze Matematiche e Informatiche, Scienze Fisiche e Scienze della Terra, Università di Messina</i></p> <p style="text-align: center;">Rhodium nanoparticles synthesized by nanosecond and picosecond Pulsed Laser Ablation in Liquid</p>
12:50-13:10	Closing remarks