

- 17:20 – 17:35 Francesca Rosi, CNR-ISTM Perugia  
**Laser-induced damage on cultural heritage materials: a systematic study using laser excitations at 1064 nm and 785nm to define safe boundary conditions for Raman non-invasive in-situ investigations**
- 17:45 – 19:30 Transfer and visit to Elettra – Sincrotrone Trieste
- 20:00 Social Dinner at Ristorante PIER Marina San Giusto, Molo Venezia 1, Trieste

### FRIDAY 09/06

- SESSION CHAIR: Alberto Girlando, University of Parma
- 09:15 – 10:00 Keynote Speaker 4 - Jürgen Popp (University of Jena, Germany)  
**Raman spectroscopy - a powerful tool for targeting the unmet medical need**
- 10:15 – 10:30 Antonio Sasso, University of Napoli "Federico II"  
**Analysis of cancer cell membrane by surface enhanced Raman spectroscopy**
- 10:35 – 10:50 Federico Scaglione, University of Torino  
**Functionalization of NPG for SERS Applications: a new sensor for HSA detection**
- 10:55 – 11:15 COFFEE BREAK
- SESSION CHAIR: Marco Paolantoni, University of Perugia
- 11:15 – 11:30 Nicolò Bontempi, University of Brescia  
**All-Dielectric Core-Shell Resonators for SERS: the family grows and targets multi-modal analysis**
- 11:35 – 11:50 Marco Lazzarino, CNR-IOM Trieste  
**Nanomechanical modulated Raman spectroscopy**
- 11:55 – 12:10 Roberto Pilot, INSTM and Department of Chemical Sciences Padova  
**Validation of SERS Enhancement Factors in Micro and Macro configuration**
- 12:10 – 12:30 Maurizio Becucci, LENS- University of Florence  
**SERS quantitative determination of organic dyes: The role of physicochemical properties and intermolecular forces**
- 12:35 – 13:00 Best poster prize award and closing remarks



## GISR 2017 – Trieste 7-9 June 2017

Italian Meeting on Raman Spectroscopies and Non Linear Optical Effects

### Conference program

## WEDNESDAY 07/06

08:00 – 09:00	<b>Registration</b>
09:00 – 09:15	<b>Opening</b> , C. Masciovecchio and M. Kiskinova, Elettra Sincrotrone Trieste
	SESSION CHAIR: Paola Sassi, University of Perugia
09:15 – 10:00	Keynote Speaker 1 - Tullio Scopigno (University of Sapienza, Rome, Italy) <b>Watching ultrafast processes in the light of Femtosecond Stimulated Raman Scattering</b>
10:15 – 10:30	Marco Paolantoni, University of Perugia <b>Hydrophobic hydration of amphiphilic molecules by extended depolarized light scattering (EDLS): the case of tert-butyl alcohol (TBA) and trimethylamine N-oxide (TMAO)</b>
10:35 – 10:50	Ludovica Ruggiero, University of Roma Tre <b>What does determine the sugars sweetness?</b>
10:55 – 11:10	Cettina Bottari, Elettra and University of Trieste <b>Thermodynamic hydration shell behaviour of cyclodextrin aqueous solutions</b>
11:15 – 11:35	COFFEE BREAK
	SESSION CHAIR: Francesco D'Amico, Elettra Sincrotrone Trieste
11:35 – 11:50	Giuseppe Zerbi, Politecnico di Milano <b>Spectroscopic contributions to the understanding of the toxicity of Particulate Matters (PM) and carbonaceous materials</b>
11:55 – 12:10	Arianna Rivalta, University of Bologna <b>Indigoids investigated by Micro-Raman spectroscopy in bulk and thin film phases</b>
12:15 – 12:30	<b>Renishaw</b>
12:30 – 12:45	<b>Witec-LOT</b>
12:45 – 14:15	LUNCH TIME
14:15 – 16:15	POSTER SESSION
16:15 – 16:30	COFFEE BREAK
	SESSION CHAIR: Giuseppe Zerbi, Politecnico di Milano
16:30 – 16:45	Michele Di Foggia, University of Bologna <b>SERS and quantum-mechanical calculations on autoassembling oligopeptides</b>
16:50 – 17:05	Marco Sbroscia, University of Roma Tre <b>Quantifying the A-site occupancy in amphiboles: a Raman study in the OH-stretching region</b>
17:10 – 17:25	Enzo Cazzanelli, University of Calabria <b>Characterization of graphene grown on copper foil by Chemical Vapour Deposition (CVD) at ambient pressure conditions</b>

17:30-17:45	Maria Secchi, University of Trento <b>Expert mineralogical investigations using a combined approach</b>
18:00	Guided tour in the centre of Trieste and free dinner

## THURSDAY 08/06

	SESSION CHAIR: Giulietta Smulevich, University of Firenze
09:15 – 10:00	Keynote Speaker 2 - Igor Lednev (University of Albany, USA) <b>Deep UV resonance Raman spectroscopy for studying protein folding and aggregation</b>
10:15 – 10:30	Francesco D'Amico, Elettra Sincrotrone Trieste <b>Pre-resonant enhancement of Amide Raman bands in small oligo-peptides and proteins detected by synchrotron-based UV Resonant Raman scattering</b>
10:35 – 10:50	Paolo Zucchiatti, Elettra and University of Trieste <b>Study of nucleic acids extracted from tumor cells by means of UV Resonant Raman and FTIR spectroscopies</b>
10:55 – 11:15	COFFEE BREAK
	SESSION CHAIR: Antonio Sasso, University of Napoli
11:15 – 11:30	Alessandro Damin, University of Torino <b>Resonant Raman Spectroscopy and computational methods for the study of Ti-zeolites interacting with probe molecules</b>
11:35 – 11:50	Beatrice Gironi, University of Perugia <b>MicroRaman Spectroscopy detection of oxidative stress in different glioblastoma cell lines</b>
11:55 – 12:10	Julietta V. Rau, ISM-CNR Roma <b>Raman spectroscopy as a novel clinical tool for improved diagnosis of thyroid pathologies</b>
12:15 – 14:00	LUNCH TIME
14:00 – 15:45	MEETING GISR
15:45 – 16:00	COFFEE BREAK
	SESSION CHAIR: Maurizio Becucci, University of Firenze
16:00 – 16:45	Keynote Speaker 3 - Philippe Colomban (Sorbonne Universités, UPMC, umr8233 CNRS MONARIS, Paris) <b>On-site Raman study of enamelled glass and pottery: Tracing the technology exchanges</b>
17:00 – 17:15	Claudia Conti, ICVBC- CNR <b>Micro Spatially Offset Raman Spectroscopy for Material Science and Cultural Heritage</b>