

Program Conference of COST Action MP1302 Nanospectroscopy - "Optical Nanospectroscopy I" - March 23-28, 2014

	Sunday, March 23	Monday, March 24	Tuesday, March 25	Wednesday, March 26	Thursday, March 27	Friday, March 28
8:00 - 9:00		8:00 - 8:40 Registration				
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9:00 - 10:00		8:40 - 9:00 Welcome & COST 9:00 - 9:40 Invited Talk M. Orrit	8:40 - 9:20 Invited Talk R. Palmer	8:40 - 9:20 Invited Talk F. Kulzer		
10					9:00 - 11:30 Working Group 1 Meeting Systems design and nanofabrication	9:00 - 11:30 Working Group 3 Meeting Improving spectroscopic techniques
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10:00 - 11:00		9:40 - 10:00 Talk I. Scheblykin 10:00 - 10:20 Talk R. Jaffiol 10:20 - 10:50 Coffee Break	9:20 - 9:40 Talk V. Merk 9:40 - 10:00 Talk J. Fulmes 10:00 - 10:30 Coffee Break 10:30 - 11:10 Invited Talk N. v. Hulst	9:20 - 10:00 Invited Talk Gierschner 10:00 - 10:20 Talk C. Gadermaier 10:20 - 10:50 Coffee Break	Coffee Break	Coffee Break
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11:00 - 12:00		10:50 - 11:30 Invited Talk A. Meixner 11:30 - 11:50 Talk J. Kalbacova 11:50 - 12:10 Talk E. Bortchagovsky	11:10 - 11:30 Talk K. Bauer 11:30 - 12:10 Invited Talk J. Krenn	10:50 - 11:10 Talk M. Harats 11:10 - 11:30 Talk A. Radoi 11:30 - 12:10 Invited Talk Kauranen	11:30 - 13:30 Lunch	11:30 - 13:30 Lunch
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12:00 - 13:00		12:10 - 14:00 Lunch	12:10 - 14:00 Lunch	12:10 - 12:30 Talk M. Lamy de la C. 12:30 - 14:00 Lunch		
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13:00 - 14:00					13:30 - 16:00 Working Group 2 Meeting Physical processes and modeling	
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14:00 - 15:00		14:00 - 14:40 Invited Talk H. Giessen 14:40 - 15:00 Talk F. Cecchet 15:00 - 15:20 Talk A. Homeber 15:20 - 15:50 Group Picture Coffee Break 15:50 - 16:30 Invited Talk L. Novotny	14:00 - 14:40 Invited Talk K. Kneipp 14:40 - 15:00 Talk M. Culha 15:00 - 15:20 Talk A. Cricenti 15:20 - 15:40 Talk P. Gucciardi 15:40 - 16:00 Talk J. Rice 16:00 - 18:30 Poster Session (w. Coffee) Even poster numbers	14:00 - 14:40 Invited Talk M. Surin 14:40 - 15:00 Talk K. Lau 15:00 - 15:20 Talk C. Flors 15:20 - 15:40 Talk M. Richter 15:40 - 16:00 Talk C. Nunes 16:00 - 16:10 Chairs 16:10 - 16:30 Coffee Break 16:30 - 18:30 MC Meeting	Coffee Break	Departure
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16:00 - 17:00		16:30 - 16:50 Talk S. Mackowski 16:50 - 17:10 Talk G. Tamulaitis 17:10 - 17:30 Talk W. Fritzsche 17:30 - 20:00 Poster Session (w. Coffee) Odd poster numbers			16:00 - 16:30 Coffee Break	
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17:00 - 18:00		18:00 - 21:00 Registration and Welcome Reception			16:30 - 18:00 Working Group 4 Meeting Preparing a textbook on optical nanospectroscopy	
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19:00 - 20:00			19:00 - 19:30 Admission to Dinner 19:30 - 23:30 Conference Dinner			
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## Invited Talks

Mon 09:00-09:40	Michel Orrit	<i>Plasmonic gold nanorods as antennas for single-molecule detection and spectroscopy</i>
Mon 10:50-11:30	Alfred Meixner	<i>Amplifying tip-enhanced Raman scattering by tunneling through a single molecular junction</i>
Mon 14:00-14:40	Harald Giessen	<i>Nonlinear Plasmonics</i>
Mon 15:50-16:30	Lukas Novotny	<i>Electro-Optical Antennas as Single Photon Sources</i>
Tue 08:40-09:20	Richard Palmer	<i>Precise fabrication of size-selected nanoparticles</i>
Tue 10:30-11:10	Niek van Hulst	<i>Antennas for Light: pushing the fast and the small</i>
Tue 11:30-12:10	Joachim Krenn	<i>Universal scaling of surface plasmon modes</i>
Tue 14:00-14:40	Katrin Kneipp	<i>Hot spots of plasmonic nanoaggregates and their potential in optical nanospectroscopy</i>
Wed 08:40-09:20	Florian Kulzer	<i>CdSe/ZnS quantum dots as nanoprobess: the critical distance of sensitivity in fluorescence lifetime measurements</i>
Wed 09:20-10:00	Johannes Gierschner	<i>Size effects in Organic Semiconductor Photophysics</i>
Wed 11:30-12:10	Martti Kauranen	<i>Nonlinear microscopy with vector fields</i>
Wed 14:00-14:40	Mathieu Surin	<i>Self-assembly of DNA – p-conjugated structures</i>

## Oral Presentations

Mon 09:40-10:00	Ivan Scheblykin	<i>Visual observation of chemical reactions between individual conjugated polymer chains in liquid solution</i>
Mon 10:00-10:20	Rodolphe Jaffiol	<i>Nonradiative Excitation Fluorescence Correlation Spectroscopy</i>
Mon 11:30-11:50	Jana Kalbacova	<i>Tuning the Gap in Experiments and Simulations of TERS/SERS in Gap-mode</i>
Mon 11:50-12:10	Eugene Bortchagovsky	<i>Functionalized probes as an internal standard for tip-enhanced Raman scattering</i>
Mon 14:40-15:00	Francesca Cecchet	<i>Molecular nano-interfaces probed with nonlinear vibrational spectroscopy</i>
Mon 15:00-15:20	Anke Horneber	<i>Non-linear Optical Processes of Plasmonic Nanostructures</i>
Mon 16:30-16:50	Sebastian Mackowski	<i>Optical fluorescence microscopy of plasmonic hybrid nanostructures</i>
Mon 16:50-17:10	Gintautas Tamulaitis	<i>Spatially resolved study of InGaN/GaN MQW photoluminescence enhancement by localized surface plasmon resonance</i>
Mon 17:10-17:30	Wolfgang Fritzsche	<i>Bioanalytics using single plasmonic nano structures</i>
Tue 09:20-09:40	Virginia Merk	<i>Mix-and-match surfaces for spectroscopy at the nanoscale</i>
Tue 09:40-10:00	Julia Fulmes	<i>Attaching quantum dots to the tips of 3D nanoantennas for single particle detection</i>
Tue 11:10-11:30	Karl Bauer	<i>Spatial mapping of surface plasmons in nanoscale Ag islands on graphite using Scanning Probe Energy Loss Spectroscopy</i>
Tue 14:40-15:00	Mustafa Culha	<i>Surface enhanced Raman Scattering from Biological Materials and Systems: From Proteins to living cells</i>
Tue 15:00-15:20	Antonio Cricenti	<i>Near-field Optical Nanospectroscopy with an IR-Free Electron Laser applied to Cancer Diagnosis</i>
Tue 15:20-15:40	Pietro Gucciardi	<i>Optically induced aggregation of gold nanorods for SERS biosensing in liquid environment</i>
Tue 15:40-16:00	James Rice	<i>Novel Gold SERS-active nanostructure arrays</i>
Wed 10:00-10:20	Christoph Gadermaier	<i>Photophysics of semiconducting two-dimensional transition metal dichalcogenides</i>
Wed 10:50-11:10	Moshe Harats	<i>Highly directional emission of photons from nanocrystal quantum dots positioned on circular plasmonic lens antennas</i>
Wed 11:10-11:30	Antonio Radoi	<i>Optical and electrical characteristics of graphene quantum dots</i>
Wed 12:10-12:30	Marc Lamy de la Chap.	<i>Optimisation of SERS substrates and nanosensor application</i>
Wed 14:40-15:00	Katherine Lau	<i>Combined 3D SERS and Raman cell imaging</i>
Wed 15:00-15:20	Cristina Flors	<i>New directions in nanoscale imaging of DNA</i>
Wed 15:20-15:40	Marc Richter	<i>AFM / TERS is Reaching Nanometer Scale on biological samples</i>
Wed 15:40-16:00	Cláudia Nunes	<i>Molecular characterization of drugs - lipid membrane models interactions: applications in drug discovery and delivery</i>

## Posters (odd numbers: March 24, even numbers: March 25)

P01	Daniela Täuber	<i>Fluorescence correlation spectroscopy at reflecting substrates for investigation of vertical sample modulations</i>
P02	Michael Metzger	<i>Hybrid GRIN-lense microresonator for sensing applications</i>
P03	Omar Tanirah	<i>Fabrication of gold nanocone near-field scanning optical microscopy probes</i>
P04	Xiao Wang	<i>Confocal Raman Microscopy with Cylindrical Vector Beams for Probing Nanoscale Structural Order</i>
P05	Emre Gürdal	<i>Self-assembly of gold nanoparticle structures</i>
P06	Simon Dickreuter	<i>Preparation and characterization of nano-particle assemblies</i>
P07	Bojana Laban	<i>Mechanism of J-aggregation of thiocyanine dye in the presence of silver nanoparticles</i>
P08	Vesna Vodnik	<i>Adsorption and Fluorescence Quenching of Thiocyanine Dye on Gold Nanoparticles</i>
P09	Edwin Ostertag	<i>Multimodal Spectroscopy and Imaging for label-free characterization from micro- to nanoscale</i>
P10	Jan Rogalski	<i>Optical Microscopy of Large <math>\pi</math>-conjugated Carbon Materials</i>
P11	Marius van den Berg	<i>Combined Optical and Photocurrent Nanometer scale Microscopy on Organic Optoelectronic Materials</i>
P12	Magdal. Twardowska	<i>Fluorescence imaging of hybrid nanostructures involving reduced graphene oxide</i>
P13	Sebastien Peter	<i>Characterization of the redox-sensitive GFP-mutant RoGFP2 by single molecule spectroscopy</i>
P14	Bo Fu	<i>Fabrication of graphene saturable absorber for ultra-broadband ultrafast fiber lasers</i>
P15	Lara Mikac	<i>Synthesis and Characterization of Silver Colloidal Nanoparticles with Different Coatings for SERS Application</i>
P16	Yagmur Ipek	<i>Plasmonic nanogratings for organic photovoltaic cells</i>
P17	Dominik Gollmer	<i>Fabrication and characterization of plasmonic nanogratings for organic thin film photovoltaic cells</i>
P18	Tobias Menold	<i>Space- and time-resolved information of refraction index in a microresonator</i>
P19	Bartłomiej Jankiewicz	<i>Influence of functionalization method on the degree of TiO<sub>2</sub> particles surface coverage with noble metals nanoparticles</i>
P20	Andreas Horrer	<i>GRIN lenses with plasmonic structures as compact elements for biosensing</i>
P21	Vlasta M. Grošev	<i>Low temperature dynamics of glycolic and lactic acid studied by Raman spectroscopy</i>
P22	Puskal Kunwar	<i>Direct Laser Writing of Fluorescent Silver Nanoclusters Structures</i>
P23	Nancy Rahbany	<i>Towards strong coupling at the nanoscale: study of plasmonic rings for efficient excitation of surface plasmon-polaritons</i>
P24	Godofredo Bautista	<i>Second-harmonic generation imaging of vertically aligned GaAs nanowires</i>
P25	Olinda C. Monteiro	<i>Playing with compounds and methodologies aiming the synthesis of hybrid and composite nanoparticles</i>
P26	Xuan Zhou	<i>Developing and optical characterization of an anisotropic nano-emitter</i>
P27	Julien Houel	<i>Nano-optics facilities to study single nano-emitters fluorescence properties</i>
P28	Łukasz Kłopotowski	<i>Optical monitoring of spontaneous magnetization in semimagnetic quantum dots</i>
P29	Jan Hrbac	<i>Highly sensitive SERS sensing on carbon fibers modified with electrodeposited copper nanowires</i>
P30	Rana Nicolas	<i>Influence of the spacer layer dielectric properties on the coupled plasmonic modes of a gold film-nanoparticles system</i>
P31	Virginia C. T. Ferreira	<i>Tailoring nanostructured materials properties through surface modification</i>
P32	Michele Celebrano	<i>Near-field scattering analysis of gold gap nanoantennas</i>
P33	Ulrich C. Fischer	<i>Spectroscopic properties of sandwich layers of metal nanostructures and monomolecular layers of dye molecules</i>
P34	Francesco Tantussi	<i>Nanospectroscopy of thermochromic polymers</i>
P35	Jana Kalbáčová	<i>Chemical Stability of Plasmon-active Silver Probes</i>
P36	Edwin Ostertag	<i>Advanced Optical Nanoscopy: From Research to Industry</i>
P37	Sylwester Gawinkowski	<i>Single molecule detection and spectroscopy: porphycene and its derivatives</i>
P38	Piotr Nyga	<i>Metallic nanostructures for SERS and fluorescence enhancement</i>
P39	Ariadni Kerasidou	<i>Third order nonlinear optical response of a conjugated ligand investigated by the Z-scan technique</i>
P40	Imran Ashraf	<i>Site specific immobilization of photosynthetic proteins on gold nano structures</i>
P41	Alexander Konrad	<i>Temperature Dependent Luminescence and Dephasing of Gold Nanorods</i>
P42	Mile Ivanda	<i>Acoustic vibrations of amorphous and crystalline ZrO<sub>2</sub>-TiO<sub>2</sub> nanoparticles</i>
P43	Emanuele Poliani	<i>Near-field light-matter interaction in tip-enhanced Raman scattering</i>
P44	Patrick André	<i>Scanning near-field optical microscopy studies: correlation between reflection and transmission measurement at high spatial resolutions</i>
P45	James Rice	<i>Correlation effects in single CdSeS QDs</i>
P46	Ronen Rapaport	<i>Cold dipolar exciton fluids on a chip - from quantum many-body physics to multi-functional circuitry</i>
P47	Ali Kemal Okayay	<i>Electrically controlled resistive switching assisted active broadband optical tunability: Taming Light</i>
P48	Adrian Najer	<i>Nanoreactors, nanomimics, and artificial organelles for medicine: analysis by fluorescence correlation spectroscopy (FCS)</i>
P49	Simon Plant	<i>Atomic structure control of size-selected Au nanoclusters during formation</i>
P50	Ilkka Tittonen	<i>Biomimetic zinc chlorin - P4VP assemblies</i>
P51	Juan Cabanillas	<i>Highly Efficient Emission from Regioregular Polyhexylthiophene in the Solid State upon Dilution in Conjugated Polymer Matrices</i>
P52	Mark Jayson Villangca	<i>Holography-based structure-mediated light delivery</i>
P53	Michele Celebrano	<i>Emission engineering in germanium nanoresonators</i>
P54	Subramany. Nagarajan	<i>Confocal Raman mapping of GaN nanopillars</i>
P55	Reinh. Wannemacher	<i>Vibronic Coupling and Stimulated Emission in a Class of Conjugated Molecular Crystals</i>
P56	He Yang	<i>Fabrication of aligned carbon nanotube device and its application for polarization controlling</i>
P57	Roberto Caputo	<i>Active Plasmonics: Systems design and Spectroscopical Characterization</i>
P58	Manuel Martina	<i>3D Raman imaging in combination with AFM, optical microscopy and TERS</i>