

Overview by Days

Monday 25. 8. 2014

9:00 – 9:45	Official Opening
9:45 – 10:30	HS 3A Plenary Talk P1: Eberhard Riedle <i>Understanding complex reactive molecular processes: from kinetics to comprehensive transient spectroscopy on all relevant time scales.</i>
10:30 – 11:00	Coffee Break
11:00 – 11:30	HS 3A Invited Talk I1: W. Leo Meerts <i>Novel strategies for solving highly complex NMR spectra of solutes in liquid crystals</i>
11:30 – 12:00	HS 3A Invited Talk I2: Giorgos Voyiatzis <i>Polarized raman spectra: opportunities & challenges - What about polarized SERS?</i>
12:00 – 12:30	HS 3A Invited Talk I3: Maurizio Becucci <i>Non bonding interactions in molecular clusters</i>
12:30 – 13:00	HS 3A Invited Talk I4: Alexandre Dazzi <i>Infrared Nanoscopy Applied to Microbiology</i>
13:00 – 14:30	Lunch
14:50 – 16:30	HS 3A Session 1 Spectroscopy of Isolated Molecules I
14:50 – 15:10	<u>S. Schiller</u> <i>Precision Spectroscopy of the Simplest Molecules</i>
15:10 – 15:30	José Arturo Ruiz-Santoyo, Marcela Rodríguez-Matus, <u>Leonardo Álvarez-Valtierra</u> , José Luis Cabellos, Rafael Grande-Aztatzi, José Gabriel, Merino-Hernández, John T. Yi, and David W. Pratt <i>Rotationally Resolved Electronic Spectra of the Electronic Origin and Some Vibronic Bands of Guaiacol and Mequinol: Vibrational Assignment of Low-Frequency Bands</i>
15:30 - 15:50	<u>J. Laane</u> , E. J. Ocola, H. L. Sheu, H. J. Chun, P. Boopalachandran, and N. Meinander <i>Spectroscopic and Theoretical Investigations of Molecular Vibrations and Potential Energy Surfaces in Ground and Excited Electronic States</i>
15:50 – 16:10	<u>P. Hemberger</u> , A Trevitt, T. Gerber, E. Ross and G. da Silva <i>Isomer-Specific Product Detection of Xylyl Radical Rearrangement and Decomposition Using VUV Synchrotron Photoionization</i>
16:10 – 16:30	B. Stuhlmann, <u>F. Gmerek</u> and M. Schmitt <i>Determination of the Geometry Change of Benzimidazole upon Electronic Excitation</i>
14:50 – 16:30	HS 3B Session 3 Environmental Applications in Spectroscopy
14:50 – 15:10	<u>Albert van Oyen</u> , Jan Andries van Franeker, Uwe Oppermann, Marion Egelkraut-Holtus <i>Monitoring Plastic Waste Using FTIR Spectroscopy</i>
15:10 – 15:30	G. Renner, M. Egelkraut-Holtus, A. van Oyen and <u>J. Schram</u> <i>Characterization of Plastic Marine Litter Using FTIR Microscopy</i>

Overview

- 15:30 - 15:50 I. R. Ivascu, C. E. Matei, M. Patachia, A. M. Bratu and D. C. Dumitras *Trace Gases Photoacoustic Detection for Monitoring of Some Air Pollutants*
- 15:50 - 16:10 G. Zerbi, M. Tommasini *Vibrational Spectroscopy of Anthropogenic Carbonaceous Particles: A Difficult Problem*
- 16:10 - 16:30 A. Bagheri Garmarudi, M. Khanmohammadi, Z. Haji Seyed Razi *Crude Oil Geochemical Evaluation by Infrared Spectroscopy and Chemometrics*
- 14:50 - 16:30** **HS 3C Session 5** **Medical Applications in Spectroscopy I**
- 14:50 - 15:10 S. Turrell, A. Uwimanimpaye, C. Kinowski, C. Masselot-Robbe, F. Cardon and O. Cristini *Sol-Gel Biocompatible Porous Materials for Local Controlled Drug Release in Treatment of Parkinson's Disease*
- 15:10 - 15:30 Iryna Goncharova, Sergey Orlov, Pavlina Novotná, Marie Urbanová *Determination of the ligand-protein binding parameters by combination of circular dichroism and fluorescence spectroscopy*
- 15:30 - 15:50 S. Tamosaityte, M. Pucetaite, V. Hendrixson, Z. A. Kucinskiene and V. Sablinskas *FT-Raman Spectroscopy as a Non-Destructive Tool for Determination of Chemical Composition of Urinary Sediments*
- 15:50 - 16:10 C. Paluszkiwicz, P. Chaniecki, W. M. Kwiatek, J. Lekki, M. Rękas *Natural Lenses with Cataracts Studied by FTIR Spectroscopy*
- 16:10 - 16:30 Thorsten Vahlsing and H. Michael Heise *Spectral Bandwidth Limitations of Tuneable External-Cavity Based Quantum Cascade Lasers for Clinical Biofluid Analysis with Different Multivariate Calibration Strategies*
- 14:50 - 16:30** **HS 3D Session 7** **Theory I**
- 14:50 - 15:10 Jörg Tatchen, Reuven Ianconescu, and Eli Polak *Semiclassical Computation of Vibronic and Vibrational Spectra Beyond the Harmonic Approximation*
- 15:10 - 15:30 Jan-M. Mewes, Vladimir Jovanović, Christel M. Marian and Andreas Dreuw *Electronic Structure and Molecular Mechanism of Non-Radiative Decay of Nitrobenzene*
- 15:30 - 15:50 Stavrov, Solomon *Relationship between Structure and Vibrational Spectra of A₀, A₁, and A₃ Conformational Substates of Carbonmonoxy Myoglobin*
- 15:50 - 16:10 Güneş Süheyla Kürkcüoğlu *Theoretical Studies on the Molecular Structure and Vibrational Spectra of 2-Pyridineethylamine*
- 16:10 - 16:30 Tony Ford *The Molecular Complexes of Boron Trifluoride with Nitrosyl Fluoride and Nitrosyl Chloride. Ion-Pair Formation*
- 16:30 - 17:00 Coffee Break
- 17:00 - 19:00** **HS 3A Session 2** **Spectroscopy of Isolated Molecules**
- 17:00 - 17:20 James. R. Durig and Bhushan S. Deodhar *The Utilization of Rare Gas Solution for Making Vibrational Assignments and Conformation Stability Determinations of Three Membered Rings*
- 17:20 - 17:40 A. Stamm, M. Weiler, A. Brächer, K. Schwing, M. Gerhards *Excited state proton transfer reactions in isolated hydroxychromones investigated by different IR/UV techniques*
- 17:40 - 18:00 A. Bouchet, M. Schütz, B. Chiavarioni, M-E. Crestoni, S. Fornarini, O. Dopfer *Binding Motifs of a Microhydrated Neurotransmitter: IR*

Overview

- Spectroscopy of Rare Gas-Tagged Protonated Phenylethylamine and its Water Clusters*
- 18:00 – 18:20 A. N. Heays, J. M. Ajello, A. Aguilar B. R. Lewis and S. T. Gibson *Fluorescence of Electron-Excited N₂*
- 18:20 – 18:40 Martin Wilke, Josefin Wilke and Michael Schmitt *Manipulation of Electronically Excited States of Indole*
- 17:00 – 18:40** ***HS 3B Session 4 New Materials I***
- 17:00 – 17:20 Sloufova I., Prochazka M., Vlckova B. *Charge-Transfer Resonance Mechanism Contribution to SERS of 2,2':6',2''-Terpyridine Chemisorbed on Ag Nanoparticles*
- 17:20 – 17:40 P. Smejkal, L. Hochmann, J. Pflieger, and I. Sloufova *SERS spectral probing of laser ablated nanoparticles prepared in alcohols*
- 17:40 - 18:00 Murat Taş, Mürsel Arıcı, Okan Zafer Yeşilel *Syntheses, Crystal Structures and Spectroscopic Properties of Cadmium(II) AND Manganese (II)-Azoxybenzenetetra-carboxylate Complexes with 1,2-Bis(Imidazole-1Yl-Methyl)Benzene*
- 18:00 – 18:20 B. Kutus, A. Pallagi, G. Peintler, A. Bíró, I. Pálinkó and P. Sipos *Structure and Equilibria of Ca(II)–Gulonate Complexes Forming in Aqueous Solutions from Multinuclear NMR Spectroscopy, Potentiometry, Conductometry and Freezing Point Depression*
- 18:20 – 18:40 Maria Buchholz, Peter G. Weidler, Chengwu Yang, Hikmet Sezen, Fabian Bebensee, Stefan Heissler, Alexei Nefedov and Christof Wöll *Polarization- and azimuth-dependent Infrared Reflection absorption spectroscopy of metal oxide single crystals*
- 17:00 – 18:40** ***HS 3C Session 6 Medical Applications in Spectroscopy II***
- 17:00 – 17:20 E.Y.M. Bonnist, P.D.A. Pudney, P.J. Caspers, G.J. Puppels, C. Marriott, L.A. Weddell, F.L. Baines, S. Paterson, J.R. Matheson *Raman Spectroscopic Studies of the Scalp Skin, In Vivo*
- 17:20 – 17:40 Said Mohammed El Amin, Dahmane El Montausie, Naubron Jean-Valère, Vanloot Pierre, Bombarda Isabelle, Vanthuyne Nicolas, Dupuy Nathalie, Roussel Christian *Chiral Study of Artemisia Herba Alba by Vibrational Circular Dichroism*
- 17:40 – 18:00 Gjorgji Petruševski, Tomče Runčevski, Marina Čačorovska, Sonja Ugarčević, Igor Micovski, Gordana Bogoeva-Gaceva, Gligor Jovanovski, Robert E. Dinnebier and Petre Makreski *Solvatomorphism and Crystal Structure of the Narcotic Analgesic Drug Codeine Phosphate Sesquihydrate*
- 18:00 – 18:20 M. Khanmohammadi, F. Mozaffari, A. Bagheri Garmarudi *Diagnosis of Cardiovascular Defect by Infrared Spectrometric Analysis of Blood Serum*
- 18:20 – 18:40 M.I. Oshtrakh, I.V. Alenkina, A.V. Vinogradov, T.S. Konstantinova and V.A. Semionkin *Mössbauer Spectroscopy of Liver and Spleen Tissues from Normal Human and Patients with Hematological Malignancies*
- 18:40 – 19:00 A.A. Kamnev, A.V. Tugarova, L.A. Kulikov, and Yu.D. Perfiliev *Emission Mössbauer Spectroscopy in Probing Cation-Binding Sites in Biocomplexes: from Small Biomolecules to Enzymes*

Overview

17:00 – 18:40	<i>HS 3D Session 8 Theory II</i>
17:00 – 17:20	<i>A. El-Azhary, N. Al-Jallal Conformational and Vibrational Analysis of Dibenzo-18-Crown-6</i>
17:20 – 17:40	<i>Choi Jun-Ho^a and Cho Minhaeng Numerical Simulation of Vibrational Spectrum Under Aqueous Solution: Protein and Bulk Water System</i>
17:40 – 18:00	<i>A. Wohler, M. Schmitt Franck-Condon Simulation of Hot Absorption Spectra at Arbitrary Temperatures</i>
18:00 – 18:20	<i>C. G. T. Feugmo, V. Liégeois, Y. Caudano, F. Cecchet and B. Champagne Toward modeling Infrared-Visible Sum-Frequency Generation (SFG) of organic monolayers on hydrogen-terminated Si(111)</i>
18:20 – 18:40	<i>Valery Andrushchenko, Ladislav Benda and Petr Bouř Improving the Precision of Ab Initio Spectra Modeling by Employing Molecular Dynamics Simulations</i>

Tuesday 26. 8. 2014

- 9:00 – 9:45 **HS 3A** Plenary Talk P2: Anouk Rijs *The use of intense FIR radiation for molecular structure and dynamics experiments*
- 9:45 – 10:30 **HS 3A** Plenary Talk P3: Sonia Melandri *Conformations and Dynamics of flexible molecules, biomolecules and molecular complexes by rotational spectroscopy*
- 10:30 – 11:00 Coffee Break
- 11:00 – 11:30 **HS 3A** Invited Talk I5: Harold Linnartz *Molecular astro-spectroscopy; bridging gas phase and solid state processes in space*
- 11:30 – 12:00 **HS 3A** Invited Talk I6: Con Mallidis *Raman Microspectroscopy in Medicine. Can it Solve the Sperm Condrum*
- 12:00 – 12:30 **HS 3A** Invited Talk I7: Matteo Tommasini *Digging Molecules out of Vibrational Spectra with DFT and Statistical Analysis*
- 12:30 – 13:00 **HS 3A** Invited Talk I8: Melanie Schnell *Enantiomer Identification of Chiral Molecules using Broadband Microwave Spectroscopy*
- 13:00 – 14:30 Lunch
- 14:50 – 16:30** **HS 3A Session 9 Spectroscopy of Isolated Molecules III**
- 14:50 – 15:10 J.-U. Grabow, Z. Glassman, R. J Mawhorter, A. Le, and T. C. Steimle *The microwave spectrum of the odd isotope of ytterbium fluoride, ¹⁷¹YbF*
- 15:10 – 15:30 K. P. Rajappan Nair, Michaela K. Jahn, David Dewald, Alberto Lesarri, Vadim V. Ilyushin, Jens-Uwe Grabow *Internal Rotation in Molecules From Microwave Spectroscopy*
- 15:30 – 15:50 T. Betz, S. Zinn, M. Schnell *Ibuprofen: Conformers and Thermal Decomposition Products*
- 15:50 – 16:10 Josefin Wilke^a, Martin Wilke^a, Michael Schmitt^a and Leo Meerts *Electronic Stark Measurements With Rotationally Resolved Laser Induced Fluorescence Spectroscopy*
- 16:10 – 16:30 Alcides Simão, Isabel Peña, Carlos Cabezas, and José Luis Alonso *L-Pipecolic Acid - the Conformational Behaviour of a Neuroactive Cyclic Aminoacid*
- 14:50 – 16:30** **HS 3B Session 10 New Materials II**
- 14:50 – 15:10 Éva G. Bajnóczi, Szabolcs Bálint, Ottó Berkesi, Tamás Körtvélyesi, György Dombi, Péter Forgó, Zoltán Kele, Ingmar Persson, Gábor Peintler, István Pálinkó, Pál Sipos *Comparison of the Structure of Sn(II) And Pb(II)-Hydroxido Complexes Forming in Hyperalkaline Aqueous Solutions*
- 15:10 – 15:30 M. Sipiczki, I. Hannus, Zs. Ferencz, O. Berkesi, P. Sipos, and I. Pálinkó *Structural Features of intercalated CaFe-layered double hydroxides Studies by X-Ray Diffractometry, Infrared Spectroscopy and Computations*

Overview

15:30 – 15:50	<u>Sandra Dorotíková</u> , Júlia Kožíšková, Peter Herich, Marek Fronc, Lukáš Bučinský, Dana Dvoranová <i>Copper(II) Complexes With Quinolone: Structure and Spectroscopic Characterization</i>
15:50 – 16:10	M. Sipiczki, T. Anitics, V. Bugris, E. Kuzmann, Z. Homonnay, P. Sipos and <u>I. Pálinkó</u> <i>Thermal Decomposition and Reconstruction of CaFe-Layered Double Hydroxide Studied by X-Ray Diffractometry and Mössbauer Spectroscopy</i>
16:10 – 16:30	<u>H. Yurtseven</u> ^a , M. Kurt <i>Analysis of the Frequency and Bandwidth as a Function of Temperature for the Phase Transitions in LiKSO₄</i>
14:50 – 16:30	<i>HS 3C Session 11 Dynamics and Time Resolved Spectroscopy I</i>
14:50 – 15:10	B.M. Pilles, D.B. Bucher, Lizhe Liu, P. Clivio, W. Zinth, W.J. Schreier, <u>P. Gilch</u> <i>The Decay of Triplet Excitations in All-Thymine DNA Strands</i>
15:10 – 15:30	<u>S. Fröbel</u> , L. Buschhaus, T. Villnow, O. Weingart and P. Gilch <i>The Mechanism of Phthalide Formation: Femto- to Microsecond Kinetics of a Complex Photoreaction</i>
15:30 – 15:50	<u>P. Praus</u> , E. Kočíšová, P. Mojzeš, J. Štěpánek, F. Sureau <i>Intracellular Monitoring of Uptaken Aptamer by Time-Resolved Microspectrofluorometry</i>
15:50 – 16:10	<u>Jiří Pflieger</u> , David Rais, Pavla Bláhová, Jiří Vohlídal, Jan Svoboda <i>Time-Resolved Transient Optical Absorption of Dynamers of Bis(tpy)Oligothiophenes with Zn²⁺ Ion-Couplers</i>
16:10 . 16:30	Lucille Mendonça, Andreas Steinbacher, Raphaël Bouganne, and <u>François Hache</u> <i>Comparative Study of the Folding/Unfolding Dynamics of Poly(Glutamic Acid) in Light and Heavy Water</i>
16:30 – 17:00	Coffee Break
17:00 – 20:00	Poster Session I

Wednesday 27. 8. 2014

- 9:00 – 9:45 **HS 3A** Plenary Talk P4: Michael Ashfold *Molecular photofragmentation dynamics in the gas and condensed phase: similarities and differences*
- 9:45 – 10:30 **HS 3A** Plenary Talk P5: Andrzej Sobolewski *Juggling with protons: molecules and light in action*
- 10:30 – 11:00 Coffee Break
- 11:00 – 13:00** **HS 3A Session 12 Hydrogen Bonding**
- 11:00 – 11:20 J. Saramak, M. Kozanecki *Water clusters in liquid alkaline chloride matrices - comparison of DFT calculations and experimental data*
- 11:20 – 11:40 A. Loewenschuss *More H-Bonded Complexes of Atmospheric Interest*
- 11:40 – 12:00 D. R. Galimberti, A. Milani and C. Castiglioni *Charge Mobility and Hydrogen Bonding From IR Intensity Parameters*
- 12:00 – 12:20 B. P. Kar, W. Sander *Protic Ionic Liquid N-Propylammoniumformate: A Low Temperature IR Study*
- 12:20 – 12:40 Valentina Closca, Andreea Celia Benchea, Mugurel Closca, Cezarina Morosanu and Dana Ortansa Dorohoi *Statistical Model of Ternary Solutions Verified by Spectral Means*
- 12:40 – 13:00 K. Csankó, K. I. Ruusuvaori, B. Tolnai, P. Sipos and I. Pálinkó *Structural features of pyridylcinnamic acids and their extended hydrogen-bonded aggregations*
- 11:00 – 13:00** **HS 3B Session 13 Methods I**
- 11:00 – 11:20 Itamar Malka, Salman Rosenwaks, and Ilana Bar *Photo-guided sampling for rapid detection and imaging of traces of explosives by a compact Raman spectrometer*
- 11:20 – 11:40 S. Rupp, T.M. James, H. Seitz-Moskaliuk, M. Schlösser, H.H. Telle and B. Bornschein *Capillary Raman Spectroscopy for High-Sensitivity Gas Analysis*
- 11:40 – 12:00 R. Mundt, T. Villnow, G. Ryseck and P. Gilch *Noise Reduction in Fluorescence Kerr Gating*
- 12:00 – 12:20 Hans Bettermann and Björn Fischer *The Development of an On-Line Raman Detector for Hyphenation With High Temperature-HPLC AND IRMS*
- 12:20 – 12:40 X. Stammer, S. Heißler and Ch. Wöll *FT-IR Spectroscopy in Ultrahigh Vacuum: Surface Science Approach for Understanding Reactions on Catalytic Oxide Powders*
- 12:40 – 13:00 Marcello Coreno *Photoionization of Atoms, Molecules and Cluster: From Energetics to Dynamics with Novel VUV Light Sources*
- 11:00 – 13:00** **HS 3C Session 14 Spectroscopy for Cultural Heritage**
- 11:00 – 11:20 Igor Lukačević, Ivona Ergotić, Marina Vinaj *Non-Destructive Analyses of 16TH Century Printed Book "Osorio" with the Colorful Fore-Edge Miniatures*

Overview

13:00 – 14:30	Lunch
15:00 – 22:00	Excursion

Thursday 28. 8. 2014

- 9:00 – 9:45 **HS 3A** Plenary Talk P6: Hugh Burrows *Transient absorption spectra and theoretical studies of excited and charged states of organic materials for optoelectronics*
- 9:45 – 10:30 **HS 3A** Plenary Talk P7: Pavel Hobza *Noncovalent interactions: theory and applications*
- 10:30 – 11:00 Coffee Break
- 11:00 – 13:00** **HS 3A Session 15 Raman Spectroscopy**
- 11:00 – 11:20 M. Kozanecki, M.N. Olejniczak *Intermolecular Interactions in Hydrogel-NSAIDS Systems – Raman Spectroscopy Studies*
- 11:20 – 11:40 Dmytro Solonenko, Alexander Milekhin, Martin Panholzer, Kurt Hingerl, Ovidiu D. Gordan, Dietrich R.T. Zahn *Interference Enhanced Raman Scattering of F₁₆CuPc Films*
- 11:40 – 12:00 Paola Sassi, Silvia Corezzi, Stefania Perticaroli, Lucia Comez, Alessandra Giugliarelli, Marco Paolantoni, Daniele Fioretto and Assunta Morresi *Low Frequency Vibrations of Native and Denaturated Lysozyme: A Raman Study*
- 12:00 – 12:20 P. Filipczak, M. Wadlewska, M. Kozanecki *Influence of Selected Inorganic Salts on Raman Resonance Phenomenon in Water*
- 12:20 – 12:40 E.A. Sagitova, P. Donfack, K.A. Prokhorov, G.Yu. Nikolaeva, P.P. Pashinin, N.D. Merekalova, V.A. Gerasin, and A. Materny *The Symmetric C-C Stretching Mode Splitting in Raman spectra of substances, containing alkylammonium ions*
- 12:40 – 13:00 K.A. Prokhorov, Yu.V. Zavgorodnev, G.Yu. Nikolaeva, E.A. Sagitova, T.V. Vlasova, P.P. Pashinin, T.M. Ushakova, L.A. Novokshonova, E.E. Starchak, P.M. Nedorezova, A.N. Klyamkina, P. Donfack, A. Materny *Raman Diagnostics of Copolymers and Polymer Blends*
- 11:00 – 13:00** **HS 3B Session 16 Spectroscopy of Polymers and Films**
- 11:00 – 11:20 Cosutchi Irina Andreea, Dimitriu Dan Gheorghe, Zelinschi Carmen Beatrice, Breaban Iuliana and Dorohoi Dana Ortansa *Optical Activity of Transparent Polymer Foils Characterized by Spectral Means*
- 11:20 – 11:40 Stefano Radice, Alberto Milani, Chiara Castiglioni *Tetrafluoroethylene Based Polymers; Spectroscopy Studies and Quantum Chemical Modeling*
- 11:40 – 12:00 Dr. Gernot Höhne, Dr. Mathias Boese, Eric Klein *Automated FTIR Microscopy in the Polymer Industry*
- 12:00 – 12:20 Mario Krieg and Hans Bettermann *Tracking of micellization by fluorescence spectroscopy*
- 11:00 – 13:00** **HS 3C Session 17 Methods II**
- 11:00 – 11:20 A. Kraus, R. Gröble, S. Mirz *Precise and Accurate Transmission Spectra Computed by a Modified Data Analysis Procedure in FTIR Spectrometry*

Overview

- 11:20 – 11:40 R. Größle, A. Kraus and S. Mirz *Non Linear Effects in IR Absorption Spectroscopy of Liquid Hydrogen Isotopologues*
- 11:40 – 12:00 Martin Labus, Hans Bettermann *Online In-Situ Raman Studies of Processes in a High Temperature PEM Fuel Cell*
- 12:00 – 12:20 H. Yurtseven and H. Özdemir *Calculation of the Specific Heat Using the Raman Frequency Shifts for the Solid I-II Transition in Benzene*
- 12:20 – 12:40 S. Mirz, R. Größle, A. Kraus *Investigation of the Influence of ortho/para Conversion on the Infrared Spectra of Liquid Hydrogen and Deuterium*
- 12:40 – 13:00 Sanjay Kumar *Comparative Study of Excited State Dipole Moment of Coumarin Laser Dyes: Solvent and Substituent Effect*
- 13:00 – 14:30 Lunch
- 14:50 – 16:30 *HS 3A Session 18 Dynamics and Time Resolved Spectroscopy II***
- 14:50 – 15:10 A. Mezzetti, E.Kish Perrin, R. Spezia, M. Mendes-Pinto, D. Bovi, L. Guidoni, M. Basire, R. Vuilleumier, B. Robert *Solute-Solvent and Pigment-Protein Interactions in Carotenoids. A Combined Resonance Raman, Time-Resolved FTIR and QM/MM Study of Peridinin*
- 15:10 – 15:30 T. Villnow, G. Ryseck, R. Mundt, S. Fröbel and P. Gilch *Thioxanthone – A Photophysical Chimera*
- 15:30 – 15:50 Glushkov Alexander, Kondratenko P.A., Svinarenko Andrey, and Sakun Tat'yana *Spectroscopy of Cooperative Laser Electron- γ -Nuclear Processes in Diatomic, Multiatomic Molecules and Clusters*
- 15:50 – 16:10 G. M. Greetham, I. P. Clark, D. Weidmann, M. N. R. Ashfold, A. J. Orr-Ewing and M. Towrie *Waveguide Enhanced 2D-IR Spectroscopy in the Gas-Phase*
- 16:10 – 16:30 Marek J. Wojcik *Dynamics of protons in hydrogen bonds studied by theoretical methods and vibrational spectroscopy*
- 14:50 – 16:30 *HS 3B Session 19 New Materials III***
- 14:50 – 15:10 M.N. Olejniczak, K. Piechocki, W. Kwiecinski, S. Kadlubowski and M. Kozanecki *Molecular Approach to a Role of NSAIDS in Changes of Volume Phase Transition Temperature in Thermo-Responsive Hydrogels*
- 15:10 – 15:30 A.A. Maksimova, M.I. Oshtrakh, E.V. Petrova, V.I. Grokhovsky and V.A. Semionkin *Comparative Study of Chelyabinsk LL5 Meteorite Fragments with Light and Mixed Light and Dark Lithology Using Mössbauer Spectroscopy*
- 15:30 – 15:50 P. Matějka and A. Pospíšil *Development of vibrational spectroscopic methods for analysis of cocrystals: What is the Information about Interactions of cofomers with the active ingredient?*
- 15:50 – 16:10 N.D. Curmei, G.V. Klishevich, V.I. Melnik, A.G. Tereshchenko *Significance of symmetry in the formation of impurity centers in molecular crystals*
- 16:30 – 18:00 Poster Session II
- 20:00 – 23:00 Conference Dinner

Friday 29. 8. 2014

9:00 – 9:45	HS 3A Plenary Talk P8: Siva Umapathy <i>Time resolved stimulated Raman spectroscopy</i>
9:45 – 10:15	HS 3A Invited Talk I9: Ozan Ünsalan <i>Applications of Vibrational Spectroscopy in Cultural Heritage, a case study: Valence Aqueduct (İstanbul)</i>
10:15 – 10:30	HS 3A István Pálinkó <i>Introduction to XXXIII. EUCMOS 2016</i>
10:30 – 11:00	Coffee Break
11:00 – 11:30	HS 3A Invited Talk I10: Hervé Vezin <i>Ancient carboneous matter in the context of origin of life. Memory of the past. Perspectives to Mars Mission</i>
11:30 – 12:00	HS 3A Invited Talk I11: István Pálinkó <i>Pristine and functionalised layered double hydroxides - syntheses, structural characterisation and catalytic application</i>
12:00 – 13:00	Concluding remarks
13:00 – 14:30	Lunch