

Sunday, September 15 th		
from 10:00		Registration
13:00 – 15:00		Lunch time
15:00		Opening Ceremony
I session “Nanomaterials” – chaired by Rui Fausto and Stefan Jurga		
15:10	I-1	Spectroscopy and Related Methods for Studies of Multifunctional Nanomaterials in Biomedicine – <i>Invited lecture Stefan Jurga</i>
15:50	I-2	SnO ₂ -Based Transparent Glass-Ceramics: Advances and Perspectives – <i>Invited lecture Maurizio Ferrari</i>
16:30	I-3	Nanospectroscopy Study of Molecule Behavior at the Colloidal Gold Nanostructure <i>Ewa Pięta</i>
16:55 – 17:15		Coffee break
17:15	I-4	On the Composition of Rare-Earth Doped Phase-Separated Nanoparticles in Optical Fibers – <i>Invited lecture Wilfried Blanc</i>
17:55	I-5	Ferromagnetic-Like Behavior of Bi _{0.9} La _{0.1} FeO ₃ - KBr Nanocomposites – <i>Invited lecture Dmitry Karpinsky</i>
18:35	Sponsor’s time	
19:00		Get Together Party
Monday, September 16 th		
II session “New functional Materials / NLO” – chaired by Maurizio Ferrari and Dongfeng Xue		
9:00	II-1	Spectroscopy Identification of Crystallization – <i>Invited lecture Dongfeng Xue</i>
9:40	II-2	Optical Signal Enhancement of Biological Molecules with 2D Graphene-like Nanoparticles: Is It Possible – <i>Invited lecture Galyna Dovbeshko</i>

10:20	II-3	Wavelength-Dependent Hyper-Rayleigh Scattering Measurements on Organic Molecules and Nanohybrids <i>Stein van Bezouw</i>
10:45 – 11:15		<i>Coffee break</i>
11:15	II-4	Active Optical Fibres with Embedded Semiconductors and Electrodes – <i>Invited lecture Pier J.A. Sazio</i>
11:55	II-5	Photoacoustic Infrared Spectroscopy in Catalysis and Materials Science – <i>Invited lecture Janusz Ryzkowski</i>
12:35	II-6	Raman Study of Novel Synthetic Hydrocarbons for Freeze-resistant Engine Oils and Lubricants <i>Elena A. Sagitowa</i>
13:00	Sponsor's time	

13:30 – 15:00		<i>Lunch time</i>
15:30 – 18:00		Poster session
Tuesday, September 17th		
III session “Bio-materials” – chaired by Halina Abramczyk and Jean-Marie Nedelec		
9:00	III-1	Cationic Substitutions in Calcium Phosphate Bioceramics: Toward Mimicking Natural Bone and Beyond – <i>Invited lecture Jean-Marie Nedelec</i>
9:40	III-2	Chemotherapeutic Impact on Endothelium Investigated by Means of Confocal Raman Imaging – <i>Invited lecture Katarzyna Majzner</i>

10:20	III-3	Spectroscopic Studies of Modified Nonwoven Carbon for Tissue Engineering Applications <i>Aleksandra Weselucha-Birczyńska</i>
10:45 – 11:00 <i>Coffee break</i>		
11:00	III-4	Raman BCA: Towards Single Organelle Lipidomics in Live Cells – <i>Invited lecture</i> <i>Andrey N. Kuzmin</i>
11:40	III-5	Raman Study of the Stability of Biomolecules on Lichens After Space - and Mars Like Conditions: Mission Ground Reference (MGR) Samples <i>Maria R. LopezRamirez</i>
12:00	III-6	Model-based Baseline Correction Routine for FTIR Measurements of Complex Tissue-Substrate Systems <i>Artur D. Surówka</i>
12:20	III-7	Investigation of Interacting States and Binding Sites of Aminobenzoic Acid (PABA) and L-Proline Using Vibrational Spectroscopy and Molecular Docking <i>Thongam Gomti Devi</i>
12:40	Sponsor's time	
13:00 – 14:00 <i>Lunch time</i>		
14:00	Excursion	
Wednesday, September 18th		

IV session “Spectroscopy in Medicine” – chaired by Andey N. Kuzmin and Zdzisław Latajka

9:00	IV-1	Linear and Non-linear Optics in Cancer Research – <i>Invited lecture Halina Abramczyk</i>
9:40	IV-2	Insulin Quantification in Pharmaceutical Formulations and Molecular Stability Monitoring Under Different Storage Conditions by ATR Infrared Spectroscopy – <i>Invited lecture Herbert Michael Heise</i>
10:20	IV-3	Virtual Spectral Histopathology of Colon Cancer - Biomedical Applications of Raman Spectroscopy and Imaging <i>Beata Brożek-Pluska</i>
10:45 – 11:15 <i>Coffee break</i>		
11:15	IV-4	Erythrocytes Infected with Plasmodium Studied by Raman Spectroscopy <i>Aleksandra Wesełucha-Birczyńska</i>
11:40	IV-5	Bioactivity Enhancement Effect on Titanium 99.2 Substrates after Hybrid Oxidation Investigated with Spectroscopic Methods <i>Jarosław J. Jasiński</i>

12:05	IV-6	Classification of Cancer and Non-cancer Diseases Using the Renishaw Biological Analyser <i>Agnieszka Sozańska</i>
12:30	IV-7	Raman Spectroscopy Supported by Chemometrics for Studies of Extracellular Vesicles and Prostate Cancer Cells <i>Maciej Roman</i>
13:00 – 15:00 <i>Lunch time</i>		

Parallel session A “Emission spectroscopy” – chaired by Jan Lundell

15:00	A-1	Synthesis and Characterization of Fluorescent Complexes of Dibenzo-15-Crown-5 (6,7,9,10,17,18-Hexahydrodibenzo[b,h][1,4,7,10,13]Pentaoxacyclopentadecine) with Sodium Halides <i>Namrata Ghildiyal</i>
15:25	A-2	Excited State Elementary Processes Studied by Combined Picosecond Time-resolved and Nmr Technique. The Case of Intramolecular Triplet-Triplet Energy Transfer and Excited State Intramolecular Charge Separation <i>Jacek Dobkowski</i>

15:50	A-3	Spectroscopic Diagnostics of Molecular Beam Containing Highly Aggressive Elements: Lif Excitation and Emission Spectra <i>Joanna Dudek</i>
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16:15 –16:35 Coffee break

16:35	A-4	Fluorescence Oligonucleotide Probes Based on i-Motif Forming Sequences <i>Anna Dembska</i>
17:00	A-5	Novel Properties of Laser Induced Emission of Graphene <i>Wiesław Stręk</i>

Parallel session B “Different faces of spectroscopy” – chaired by Herbert Michael Heise and Wilfried Blanc

15:00	B-1	Temperature and Time-dependent SERS Investigations: Insights Into the Drug - Nanocarrier Conjugates Stability <i>Natalia Piergies</i>
15:25	B-2	Cu Ions in Zeolites CuY - IR Experiments and Catalytic Studies <i>Łukasz Kuterasiński</i>
15:50	B-3	Application of Vibrational Spectroscopy in Bee Pollen Analysis <i>Sylwester Mazurek</i>

16:15 –16:35 <i>Coffee break</i>		
16:35	B-4	Coordinative Bonding Perturbation of Co(II) and Co(III) Transition Metal Ions by the Glycine and Succinic Acid Ligands. <i>Potlaki F. Tseki</i>
17:00	B-5	The Estimation of Bloodstain Age by a Combined Approach of Spectroscopic and Chemometric Methods <i>Vishal Sharma - The lecture was dismissed</i>
17:25	B-6	Salts Containing Different Amino Acids. Three Types Iodides of L-Arginine and Other Amino Acids <i>Vahram Ghazaryan</i>
17:50	B-7	Conformational Changes in Nigeran Oligosaccharides under External forces <i>Agnieszka Brzyska</i>
20:00 Conference Dinner		
Thursday, September 19th		
V session “Theory / Quantum Approach” – chaired by Dmitry Karpinsky		
9:00	V-1	IR-Induced Chemistry: From Conformational Changes To Bond-Breaking/BondForming Reactions – <i>Invited lecture Rui Fausto</i>
9:40	V-2	Proton Transfer Dynamics in Strong Intramolecular H-bonds - Ab Initio MD Simulations – <i>Invited lecture Zdzisław Latajka</i>
10:20	Sponsor’s time	

10:50 – 11:20 <i>Coffee break</i>		
11:20	V-3	Vibrational Overtone Induced Chemistry – <i>Invited lecture Jan Lundell</i>
12:00	V-4	Spectral and Computational Analysis of Thioxoimidazoquinazolinone Derivatives <i>Karol Hęclik</i>
12:40	Closing Ceremony	
13:00 – 14:00 <i>Lunch time</i>		
around 14:00 Departure to Wrocław		