



ERPOS-12

Electronic and Related Properties of Organic Systems

12th INTERNATIONAL CONFERENCE

Programme

10 July
SUNDAY

16:00 -19:00 REGISTRATION / WELCOME

11 July
MONDAY

9:00 OPENING CEREMONY

S1: Dynamics and Coherent Spectroscopy

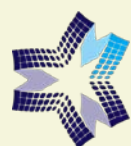
- 9:10 Making the Molecular Movie: First Frames....Coming Features
Dwayne Miller (*Germany*)
- 9:50 Strong and Long Makes Short: Strong-pump Strong-probe spectroscopy
Maxim Gelin (*Germany*)
- 10:10 Quantum Master Equations for Non-linear Response of Complex Molecular Systems
Tomáš Mančal (*Czech Republic*)
- 10:30 Simulation Study of 2D Spectrum of Molecular Aggregates Coupled to Correlated Colored Bath
Darius Abramavičius (*Lithuania*)
- 10:50 COFFEE BREAK

S2: Dynamics and Coherent Spectroscopy

- 11:20 Theory of Quantum Coherence in Excitation Transfer in Organic Materials: Some old solutions to puzzling problems
V. M. Kenkre (*USA*)
- 12:00 Exciton Dynamics in Semicrystalline Films of Poly(3-hexylthiophene) Studied by 2D Electronic Spectroscopy
Arvydas Ruseckas (*United Kingdom*)
- 12:20 Coherently-controlled Two-dimensional Electronic Spectroscopy
Valentyn I. Prokhorenko (*Germany*)
- 12:40 Two-color Two Dimensional Electronic Spectroscopy Study of Self-assembled Porphyrin Nanotubes
Donatas Zigmantas (*Sweden*)
- 13:00 LUNCH

S3: Nano- and Bio-systems

- 14:00 Ultrafast Exciton and Charge Dynamics in Isolated and Interacting Carbon Nanotubes
Larry Luer (*Spain*)



CENTER
FOR PHYSICAL SCIENCES
AND TECHNOLOGY





ERPOS-12

Electronic and Related Properties of Organic Systems

12th INTERNATIONAL CONFERENCE

- 14:40 Nonlinear Absorption and Refraction in Metal-containing Chromophores, Nanoobjects and Bioderived Materials
Marek Samoc (*Poland*)
- 15:20 Exciton Dynamics in Semiconducting Carbon Nanotubes
Leonas Valkūnas (*Lithuania*)
- 15:40 Enhancing Photosensitivity of Carbon Nanotubes by Modification with Metal Containing Block Copolymers
Wai Kin Chan (*Hong Kong*)

16:00 COFFEE BREAK

S4: Nano- and Bio-systems

- 16:30 Photosynthetic Light Harvesting
Rienk van Grondelle (*The Netherlands*)
- 17:10 Tunable Organic Nanodots as a Biocompatible and Nature-friendly Alternative to Quantum Dots for Nanophotonics
Olivier Mongin (*France*)
- 17:30 Bio-organic Interfaces for Neuronal Photoactivation
Mariarosa Antognazza (*Italy*)
- 17:50 Effects of Metal Nanoparticles on Energy Spectra and Optical Properties of Different Assemblies
Volodymyr Sugakov (*Ukraine*)

18:10 – 20:00 **Poster session 1**

12 July
TUESDAY

S5: Devices

- 9:00 Highly Efficient Organic Devices
Karl Leo (*Germany*)
- 9:40 Effect of Charge Trapping Dopants on the Current and Efficiency of Polyfluorene-based LEDs
Jorge Morgado (*Portugal*)
- 10:00 Electric Field Confinement Effect on Charge Transport in Organic Field-effect Transistors
Andrey Kadashchuk (*Ukraine*)
- 10:20 Enhancement of Light Outcoupling Efficiency in OLEDs by Employing Nano Structured Hole Transport Materials
Ewa Agnieszka Sliwinska (*Germany*)
- 10:40 COFFEE BREAK

S6: Devices

- 11:10 Organic-Organic Heteroepitaxy of Red-, Green-, and Blue-emitting Nanofibers
Clemens Simbrunner (*Germany*)
- 11:50 Organic Field Effect Transistors Containing Bistable Materials
Juliusz Sworakowski (*Poland*)
- 12:10 Organic Light-emitting Field-effect Transistors
Ireneusz Glowacki (*Poland*)
- 12:30 Charge-transporting Polymers and Molecular Glasses for Optoelectronic Applications
Juozas Vidas Grazulevicius (*Lithuania*)
- 12:50 LUNCH

S7: Transport Phenomena

- 14:00 Time-resolved Fluorescence Measurements of Exciton Diffusion in Organic Semiconductors
Ifor Samuel (*United Kingdom*)
- 14:40 Charge Carrier Separation and Transport Dynamics in P3HT:PCBM Blends
Vidmantas Gulbinas (*Lithuania*)
- 15:00 Model of the Charge Carrier Mobility in Conjugated Polymers
Petr Toman (*Czech Republic*)
- 15:20 Polaron Dynamics in Polymers Doped With Polar Additives
Stanislav Nespurek (*Czech Republic*)
- 15:40 COFFEE BREAK



ERPOS-12

Electronic and Related Properties of Organic Systems

12th INTERNATIONAL CONFERENCE

S8: Transport Phenomena

- 16:10 Recombination of Charge Carriers in Organic Structures
Gytis Juška (*Lithuania*)
- 16:50 Spectral Diffusion in Singlet and Triplet States of Poly(para-phenylene)-type Polymers
Heinz Bässler (*Germany*)
- 17:20 Local Field Optical Control of Charge Transport in Molecular Tunnelling Nanojunctions
Boris Fainberg (*Israel*)
- 18:00 **Poster session 2**
- 20:00 CONFERENCE DINNER

13 July
WEDNESDAY

S9: Transport Phenomena

- 9:00 Single Molecule Spectroscopy to Monitor Energy Transfer in Macromolecules and Aggregates
Ivan Scheblykin (*Sweden*)
- 9:40 Proton Transfer Reaction as a Mechanism for Controlling Electrical Transport in Single Molecule Junction
Andrzej Ludwik Sobolewski (*Poland*)
- 10:00 Super-diffusive Exciton Transport in J-aggregates
Victor Malyshev (*The Netherlands*)
- 10:20 Tuning of Triplet Energy and Triplet Interactions in Organic Semiconductors
Dirk Hertel (*Germany*)
- 10:40 COFFEE BREAK

S10: Excited States and Optical Nonlinearities

- 11:10 One dimensional J-aggregates: Deducing the Level Statistics and Microscopic Geometrical Structure from Optical Spectra
Paul H.M. van Loosdrecht (*The Netherlands*)
- 11:50 Concentration Quenching of Amplified Spontaneous Emission in Bay-substituted Perylene diimides
Saulius Juršėnas (*Lithuania*)
- 12:10 Inspirations for EO Polymer Design Gained from Modeling of Chromophore Poling by Langevin Dynamics
Martins Rutkis (*Latvia*)
- 12:30 Helical Superstructure and Charged Polarons Contributions to Optical Nonlinearity of 3-nitroaniline
Maria Magdalena Szostak (*Poland*)
- 12:50 LUNCH

S11: Excited States and Optical Nonlinearities

- 14:00 Excited-State Symmetry Breaking and Ground-State Symmetry Lowering in Branched ICT Chromophores
Francesca Terenziani (*Italy*)
- 14:20 Monitoring the Optical Spectra of Dye Molecules Spatially Self-organized in the Body of Silica Thin Film
German Telbiz (*Ukraine*)
- 14:40 Determination of the Energy Structure of the Organic Molecules in Thin Films
Inta Muzikante (*Latvia*)
- 15:00 Two-photon Induced Fluorescence in Organic Non-linear Optical Single Crystal DCNP
Andrzej Miniewicz (*Poland*)
- 15:20 CLOSING CEREMONY