



Discussion Meeting

Progress in Organic Optoelectronics

30.11.-01.12.2016, Madrid Institute for Advanced Studies, IMDEA in Nanoscience
C/ Faraday 9, Ciudad Universitaria de Cantoblanco, 28049, Madrid, Spain

Local Organizer: Dr. Johannes Gierschner, IMDEA Nanoscience
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Program

Wed, 30.11.2016

- 14:00** Welcome & Introduction: J. Gierschner
- 14:10-14:40 Emilio Pérez (IMDEA): *2D-1D-0D Novel ways to interface nanomaterials and molecules*
- 14:40-15:00 Belén Nieto-Ortega (IMDEA): *Molecular Dynamic Calculations on Mechanically Interlocked Carbon Nanotubes*
- 15:00-15:30 Juan Carlos Sancho-García (U. Alicante): *Functional and supramolecularly ordered conjugated materials: what can we learn from Computational Chemistry?*
- 15:30-15:50 Andres Perez-Guardiola (U. Alicante): *Unraveling properties of cyclic nanorings as challenging carbon nanoforms*
- 15:50-16:20** Coffee Break & Poster Session

- 16:20-16:40 Manuel Reche-Tamayo (U. Alicante): *Theoretical study of structure and reactivity of cycloparaphenylene molecules*
- 16:40-17:00 Christina Graham (U. Edinburgh & U. Alicante): *Effect of Nitrogen substitution on structural and electronic properties of cycloparaphenylenes*
- 17:00-17:30 Larry Lüer (IMDEA): *Non-Gaussian disorder in solid state samples of J aggregates - modeling of two-dimensional electronic spectra and relevance for optoelectronics*
- 17:30-17:50 Abasi Abudulimu (IMDEA): *t.b.d.*

Thu, 01.12.2016

- 09:30-10:00 Juan Cabanillas (IMDEA): *Photophysics of conjugated polymer blends for optical gain applications*
- 10:00-10:20 José Raúl Castro (IMDEA): *Enhanced Amplified Spontaneous Emission and Lasing from Flexible Transparent Full Plastic Devices*
- 10:20-10:40 Longfei Wu (IMDEA): *Ground State Host-Guest Interactions upon Effective Dispersion of Regioregular Poly(3-hexylthiophene) in Poly(9,9-dioctylfluorene-alt-benzothiadiazole)*
- 10:40-11:00 Stavros Anthanasopoulos (UC3M): *Efficient charge separation in organic photovoltaics through incoherent hopping*
- 11:00-11:30** Coffee Break
- 11:30-12:00 Johannes Gierschner (IMDEA): *Brightly Emissive Solid State Organic Semiconductors*
- 12:00-12:20 Nandajan P. C. (IMDEA): *AIEE from Host-Guest Supramolecular Polymers: Structural Perceptions by PL Spectroscopy and Microscopy*
- 12:20-12:40 Junqing Shi (IMDEA): *Highly Efficient All-Small-Molecule Organic Solar Cell--a Morphology and Photophysics Insight*
- 12:40 Conclusion
- 13:00** Lunch

Poster Session

- Chen Sun (IMDEA): *Effect of Backbone Encapsulation on the Photophysics of Conjugated Self-Threading Polythiophene*
- María José Aliaga Gosálvez (U. Valencia): *PL Spectra of Solid State Organic Crystals: Disentangling Intra- and Intermolecular Contributions by Atomistic Modeling*