

- 10.55 am **Rienk van Grondelle**
The Quantum Design of Photosynthesis
- 11.20 am **Oliver Kühn** (invited)
Frenkel Excitons in Molecular Aggregates: From Coherent to Dissipative Dynamics
- 11.45 am **Margherita Maiuri**
Unveiling Ultrafast Energy Transfer in Photosynthetic Membranes of Purple Bacteria with Broadband 2D Electronic Spectroscopy
- 12.10 pm **Leonas Valkunas** (invited)
Role of Coherent Vibrations in Energy Transfer and Charge Separation
- 12.45 pm **- Lunch -**
- 2.00 pm **Dorthe Eisele** (invited)
Robust Excitons in Soft Supra-Molecular Nanotubes
- 2.25 pm **Jasper Knoester**
Excitons in Molecular Aggregates: Localization, Coherence, and Dynamics
- 2.50 pm **Ulrich Kleinekathöfer** (invited)
Environmental Coupling and Population Dynamics in the PE545 Light-Harvesting Complex
- 3.15 pm **Roman Pishchalnikov**
Exciton Structures in Chlorosomal Tubular Aggregates
- 3.40 pm **Lisa Wohlrab**
Polarisation-Resolved Spectroscopy of Individual Chlorosomes
- 4.05 pm **- Coffee break -**
- 4.15 pm **- Poster session -**
– 7.00 pm
- 7.15 pm **- Dinner -**

Tuesday, March 10, 2015

- 9.00 am **Dieter Neher** (invited)
Photon-to-Electron Conversion in Organic Solar Cells
- 9.45 am **Jenny Clark** (invited)
Singlet Exciton Fission in Polyene-Type Materials
- 10.10 am **Michael Sommer** (invited)
The Role of Main Chain Electronic Defects in Conjugated Polymers for Organic Electronics
- 10.35 am **- Coffee break -**
- 10.55 am **Akshay Rao**
Ultrafast Vibrational Dynamics of Singlet Exciton Fission and Triplet Transfer to Inorganic Semiconductors
- 11.20 am **Nicholas Paul**
Changing the Classical Photophysical Mechanisms of Photosystem II when Coupled to Nanomaterials
- 11.45 am **Rafael Camacho**
Quantitative Measure of Light Harvesting in Single Multichromophoric Antennas – LH2 vs Conjugated Polymers
- 12.10 pm **Sebastian Maćkowski**
Graphene-Based Hybrid Photosynthetic Nanostructures
- 12.45 pm **- Lunch -**
- 2.00 pm **Herbert van Amerongen** (invited)
Regulation of Light-Harvesting in Algae and Microalgae
- 2:25 pm **Takehisa Dewa**
Functional Modification of Light-Harvesting Complex 2 (LH2) by Conjugation with Artificial Fluorophores: Ultrafast Energy Transfer from External Fluorophore to Bacteriochlorophylls
- 2:50 pm **Peter Jomo Walla**
The Role of Intra-Membrane Interactions in the Regulation of Photosynthetic Light-Harvesting
- 3.15 pm **Gediminas Trinkunas**
Fluctuating Antenna Model for Chlorophyll Fluorescence Quenching
- 3.40 pm **- Coffee break -**

- 4.00 pm **Thomas Basché** (invited)
Correlative Atomic Force and Confocal Fluorescence Microscopy: Force Induced Spectral Shifts and Single Molecule Imaging
- 4.25 pm **Frank Müh**
Structure-Based Monte Carlo Simulation of Spectral Diffusion in Bacterial Light-Harvesting Complexes
- 4.50 pm **Anna Stradomska-Szymczak**
First-Principles Simulations of the Initial Phase of Self-Aggregation of a Cyanine Dye
- 5.15 pm – 7.00 pm **- Poster session -**
- 7.15 pm **- Dinner -**

Wednesday, March 11, 2015

- 9.00 am **Marcus Motzkus** (invited)
Direct Observation of Short-Lived Excited Electronic States and Their Vibrational Dynamics with Multidimensional Femtosecond Spectroscopy
- 9.45 am **Hideki Hashimoto** (invited)
Ultrafast Excited State Dynamics of Marine Carotenoid Fucoxanthin and its Homologues
- 10.10 am **Tomáš Polívka** (invited)
Chlorophyll to Carotenoid Dissipative Energy Transfer in an Ancestor of Plant Antenna Proteins
- 10.35 am **- Coffee break -**
- 10.55 am **Jakub Pšenčík**
*Triplet-Triplet Energy Transfer from Chlorophylls to Carotenoids in Two Antenna Complexes from Dinoflagellate *Amphidinium Carterae**
- 11.20 am **Donatas Zigmantas**
Tracking Energy Flow in Intact Photosynthetic Apparatus of Green Sulfur Bacteria
- 11.45 am **Erling Thyrrhaug**
*Energy Transfer Dynamics in the Fenna-Matthews-Olson Complex of *Chlorobaculum Tepidum* I*
- 12.10 pm **Thomas Wellens**
Photosynthetic Membrane Adaptation Optimizes the External Quantum Efficiency
- 12.45 pm **- Lunch -**

- 2.00 pm **Neil Hunter** (invited)
Surface Fabrication of New Membrane Protein Architectures for Excitation Energy Transfer
- 2.25 pm **Erica Belgio**
Economic Photoprotection in Photosystem II that Retains a Complete Light-Harvesting System with Slow Energy Traps
- 2.50 pm **Bruno Robert**
Molecular Basis of Photoprotection in Natural and Artificial Photosynthesis
- 3.15 pm **Larry Lüer**
Environmental Adaptation of Purple Bacteria: Global and Target Analysis of Transient Absorption Spectra
- 3.40 pm **- Coffee break -**
- 4.00 pm **Arvi Freiberg** (invited)
Localized Photosynthetic Excitons: Evolution of Thought and Present Status
- 4.25 pm **Darius Abramavicius**
Simulation of Exciton Dynamics in a Molecular Aggregate from 0 K to Room Temperature: Self-trapping vs. Delocalization
- 4.50 pm **Tomáš Mančal**
Refining Frenkel Exciton Model for Pigment-Pigment Interactions in Photosynthesis
- 5.15 pm **Jörg Pieper**
*Excitation Energy Transfer and Unusual Vibrational Coupling in the Antenna of the Cyanobacterium *Acaryochloris Marina**
- 6.00 pm **- Concert-**
– 7.00 pm
- 7.15 pm **- Dinner special -**

Thursday, March 12, 2015

Joint Session with “Solar Technologies go Hybrid”

- 9.00 am **Stephen Forrest** (invited)
From Nanostructure to High Efficiency in Organic Photovoltaics
- 9.45 am **Wolfgang Brütting**
Reducing Energy Losses in Small-Molecule Organic Photovoltaic Cells
- 10.10 am **Carsten Deibel** (invited)
Fundamental Processes in Organic and Hybrid Solar Cells

10.55 am **- Coffee break -**

11.15 am **Laura Herz** (invited)
Light-Harvesting Processes in Synthetic Materials for Next-Generation Solar Cells

12.00 pm **Thomas Körzdörfer** (invited)
Structure-Property Relationships in Organic Electronic Materials: Density Functional Theory and Beyond

12.25 pm **- Closing remarks -**

12.35 pm **- Lunch -**