

PROGRAM

MONDAY, APRIL 16TH

11.00-13.30

Registration

13.30-13.45

Opening remarks, Maria Abrahamsson

CHAIR: Maria Abrahamsson

13.45-14.45

PL

Ming Lee Tang

Directing Triplets Across the Nanocrystal-Molecule Interface

14.45-15.20

IT

Felix Castellano

Thermally Activated Delayed Photoluminescence from Pyrenyl Functionalized CdSe Quantum Dots

15.20-15.55

IT

Elsa Reichmanis

Microfluidic Encapsulation as an Approach Toward High Performance Upconversion

COFFEE BREAK

CHAIR: Kenneth Hanson

16.30-16.50

CT

Jesse Allardice

Solar Down Converters using Triplet Transfer from Tetracene to Pb Based Quantum Dots

16.50-17.10

CT

Mengfei Wu

Solid-State Infrared-to-Visible Upconversion Sensitized by Colloidal Nanocrystals

17.10-17.30

CT

Duncan Kushnir

The Road to Environmental Efficiency in Photonics: Prospective Life Cycle Assessment of TTA Upconversion Layers

PL – PLENARY TALK

IT – INVITED TALK

CT – CONTRIBUTED TALK

TUESDAY, APRIL 17TH

CHAIR: Felix Castellano

8.45-9.45	PL	Richard Friend <i>Singlet Exciton Fission in Tetracene and Related Materials</i>
9.45-10.20	IT	Matthew Sfeir <i>Intramolecular Singlet Fission Beyond Dimers</i>

COFFEE BREAK

CHAIR: Jerker Mårtensson

11.00-11.20	CT	Pedro Coto <i>Intramolecular Singlet Fission: Insights from Quantum Dynamical Simulations</i>
11.20-11.40	CT	Remco Havenith <i>Non-Orthogonal Configuration Interaction for the Calculation of Electronic Couplings</i>
11.40-12.00	CT	Akshay Rao <i>Elucidating the Spatial Dynamics Governing the Coupled Electronic, Spin, and Vibration Dynamics of Singlet Fission</i>
12.00-12.35	IT	Petra Tegeder <i>Time-Resolved Nonlinear Optics and Photoelectron Spectroscopy at Functional Interfaces: Singlet Fission Dynamics</i>

LUNCH

CHAIR: Petra Tegeder

14.00-14.35	CT	Bruno Ehrler <i>Towards Singlet-Fission Sensitized Silicon Solar Cells</i>
14.35-15.10	IT	Kenneth Hanson <i>Role of the Sensitizer and Acceptor in Photon Upconversion Multilayers on Metal Oxide Surfaces</i>
15.10-15.45	IT	Bo Albinsson <i>Towards Diffusion-Free Triplet-Triplet Annihilation Photon Up-Conversion</i>

COFFEE BREAK

CHAIR: Elsa Reichmanis

16.15-16.50	IT	Angelo Monguzzi <i>Excitonic Processes in Nanosized Supramolecular Systems for Low Power Photon Up-conversion</i>
16.50-17.10	CT	Andrey Turshatov <i>Donor-Acceptor Dyads with Dual Performance in Photon Up-Conversion</i>
17.10-17.30	CT	Pengfei Duan <i>Circularly Polarized Luminescence in Photon Upconversion System</i>

PUB CRAWL

WEDNESDAY, APRIL 18TH

CHAIR: *Bo Albinsson*

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| 8.45-9.45 | PL | Jianzhang Zhao
<i>Triplet Excited State of Bodipy Accessed by Charge Recombination and Its Application in Triplet-Triplet Annihilation Upconversion</i> |
| 9.45-10.05 | CT | Nobuhiro Yanai
<i>S-T Absorption Sensitizers for Near-Infrared-to-Visible Upconversion</i> |
| 10.05-10.25 | CT | Panagiotis Keivanidis
<i>Beta-Phase Enhanced Photon Energy Up-Conversion in Solution-processable Poly(fluorene)/Pt - Octaethyl Porphyrin Blend Films</i> |

COFFEE BREAK

CHAIR: *Michael Wasielewski*

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| 11.00-11.20 | CT | Daphné Lubert-Perquel
<i>Multiple Quintets via Singlet Fission in Ordered Molecular Films at Room Temperature</i> |
| 11.20-11.40 | CT | Timothy Schmidt
<i>Endothermic Singlet Fission is Hindered by Excimer Formation</i> |
| 11.40-12.15 | IT | Dirk Guldi
<i>Molecular Singlet Fission in Pentacene Materials</i> |

LUNCH

CHAIR: *Mathew Sfeir*

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| 13.15-14.15 | PL | Michael Wasielewski
<i>Probing Electronic States along the Singlet Fission Pathway</i> |
| 14.15-14.35 | CT | Leah Weiss
<i>Spin-Sensitive Probes of the Triplet Pair State</i> |
| 14.35-14.55 | CT | Arya Thampi
<i>Elucidation of Excitation Energy Dependent Correlated Triplet Pair Formation Pathways in an Endothermic Singlet Fission System</i> |
| 14.55-15.15 | CT | Nikolaus Wollscheid,
<i>Diffusion Controlled Singlet Fission of a Phenazinothiodiazole in Solution</i> |

15.15-17.30 **POSTER SESSION** with refreshments

18:30 **CONFERENCE DINNER**

THURSDAY, APRIL 19TH

CHAIR: *Ming Lee Tang*

8.45-9.45	PL	Josef Michl <i>Singlet Fission</i>
9.45-10.00		Poster talk 1 <i>TBA</i>
10.00-10.15		Poster talk 2 <i>TBA</i>

COFFEE BREAK

CHAIR: *Kasper Moth-Poulsen*

10.45-11.05	CT	Ferdinand Grozema <i>Temperature Dependent Excited State Dynamics in Crystalline Perylenebisimids</i>
11.05-11.25	CT	Markus Einzinger <i>Sensitization of Silicon by Singlet Exciton Fission</i>
11.25-11.45		Concluding remarks & Poster prizes