

ISPF2 Poster Session Program

Date: 7/8

Time: Odd number 17:00-18:00 / Even number 18:00-19:00

| Number | Presenter              | Affiliation                                               | Title                                                                                                                                                     |
|--------|------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| P-1    | Alisha Sengupta        | Ashoka University                                         | Diphenylanthracene-based Trimeric Systems for Efficient Photon Upconversion through Triplet-Triplet Annihilation                                          |
| P-2    | Hae-In Lee             | Pusan National University                                 | Efficient Triplet-triplet Annihilation Upconversion via Oxygen Diffusion Suppression in Castor Oil: Application to Sub-bandgap Photocatalysis             |
| P-3    | Debranjani Hati        | Jawaharlal Nehru Centre For Advanced Scientific Research  | Triplet-triplet Annihilation Induced Delayed Fluorescence Afterglow from a Pyromellitic Diimide Phosphor                                                  |
| P-4    | Subhrajyoti Ghosh      | The University of Tokyo                                   | A Robust Metal–Organic Framework Platform Enabling Visible-to-Ultraviolet Upconversion–Driven Heterogeneous Photochemistry                                |
| P-5    | Shubham Verma          | Indian Institute of Science Education and Research Bhopal | Tuning the triplet-triplet annihilation for bright blue upconversion emission in anthracene-based dimers                                                  |
| P-6    | Irfan Khan             | University of New South Wales                             | Engineering Band Alignment at 2D–Organic Interfaces for Efficient Photon Upconversion                                                                     |
| P-7    | Julian Amir Moghtader  | Johannes Gutenberg University Mainz                       | Multi-resonance TADF sensitizers for improved upconversion – novel motifs expand and improve upconversion with established annihilators                   |
| P-8    | Hiroto Iwasaki         | Institute of Science Tokyo                                | UV-to-Violet Organic Light-Emitting Diodes Operating below 2 V                                                                                            |
| P-9    | Hannah Tideland        | University of Gothenburg                                  | Investigating the driving force for endothermic TTA in mediator candidates for hetero-TTA-UC                                                              |
| P-10   | Masaki Miyata          | Kyushu University                                         | tert-Butyl-substituted anthracene derivatives for efficient photon upconversion in both solution and solid states                                         |
| P-11   | Ryunosuke Kani         | Institute of Science Tokyo                                | Near-Infrared Photon Upconversion Using Charge Transfer States in Aqueous Dispersions                                                                     |
| P-12   | Hayato Shoyama         | Kyushu University                                         | Sterically Protected $\pi$ -Electron Systems: A Viable Solution for Efficient Solid-State Photon Upconversion                                             |
| P-13   | Nutnicha Boonmong      | Kyushu University                                         | Engineering of Triplet Kinetics through Steric Modulation for Efficient Photon Upconversion                                                               |
| P-14   | Kenta Kanazawa         | The University of Tokyo                                   | Substituent Effects on the UC Efficiency of Anthracene Derivatives                                                                                        |
| P-15   | Suyoung Jeong          | Pusan National University                                 | Development of Antibody-Conjugated TTA-UC Nanoprobes for Immunodiagnostic Labeling                                                                        |
| P-16   | Lucy Weatherill        | Durham University                                         | Dual TADF and TTA Emission in D-A-D Molecules from Green to Deep Red with Mechanochromic Properties                                                       |
| P-17   | Jessica Fred           | Chalmers University of Technology                         | Triplet–Triplet Annihilation Photon Upconversion in Microcapsules: Enabling Photochemistry Using Upconverted Photons in Water                             |
| P-18   | Seth Allen             | The University of Texas at Austin                         | From the Computer to the Cuvette: Virtual Silylethynyl-Functionalization Identifies New Annihilators for Triplet-Triplet Annihilation Photon Upconversion |
| P-19   | Manvydas Dapkevicius   | Vilnius University                                        | Stabilizing Oxygen Sensitive Triplet States in Ambient Environment with a Non-Toxic Thioether Scavenger                                                   |
| P-20   | Mallory Zapata         | University of Utah                                        | Nucleophilic Anthracene Transmitter Ligands for Photon Upconversion with CdSe Quantum Dot Triplet Photosensitizers                                        |
| P-21   | Lucille Brinkman       | University of Utah                                        | Organic Inspired Surface Functionalization of Silicon Nanocrystals                                                                                        |
| P-22   | Kamile Bareikaite      | Durham University                                         | Narrowband Sky-blue Solution-processed Hyperfluorescent OLEDs using MR-TADF dendrimers                                                                    |
| P-23   | Hyeonwoo Choi          | Yonsei University                                         | Dielectric-Tuned Charge and Exciton Dynamics in Perylene Bisimide Supramolecular Aggregates                                                               |
| P-24   | Tomoaki Yago           | Saitama University                                        | magnetic field effects on triplet pairs in organic crystals                                                                                               |
| P-25   | Hyunjun Kim            | Hanyang University                                        | Diverse Quantum Interference Regime in Intramolecular Singlet Fission Chromophores                                                                        |
| P-26   | Aisworika Mohanty      | Tata Institute of Fundamental Research                    | Chloro-substitution in cyclophane-type TIPS-pentacene dimers produces ISC-born triplets after singlet fission                                             |
| P-27   | Emil Saebø             | HUN-REN Research Centre for Natural Sciences              | Can Heteroatoms and Heteroarene Annulations Make Pentalenes Suitable as Singlet Fission Chromophores?                                                     |
| P-28   | Kangwei Wang           | Uppsala University                                        | Homo-acenes (Vogel-annulenes) provide an unexplored design strategy to singlet fission chromophore candidates                                             |
| P-29   | Syed Hamad Ullah Shah  | University of New South Wales                             | From Triplet Harvesting to NIR Emission: Sensitization of the Molecular Lanthanide YbQ3                                                                   |
| P-30   | Ryohei Kishi           | The University of Osaka                                   | Unlocking the Potential of Diphenoquinone Scaffolds for Efficient Singlet Fission: A Theoretical Study                                                    |
| P-31   | Ren-ya Kurata          | The University of Osaka                                   | Theoretical Study on Intramolecular Singlet Fission in Covalently-Linked Heterodimers Based on Pentacene Derivatives                                      |
| P-32   | Hayato Sakai           | Keio University                                           | Control of Spin Conversion and Dissociation in Long-Range Intramolecular Singlet Fission of Polyyne-Bridged Pentacene Dimers                              |
| P-33   | Tu Tuan Do             | Keio University                                           | Intramolecular Singlet Fission in Triangular Macrocyclic Pentacene Dimers: Tunability by Conformational Modulations                                       |
| P-34   | Byeongjoo Kang         | Yonsei University                                         | Divergent Multiexciton Recombination Dynamics of Conformational Isomers by Elevated Effective Polarity at Cryogenic Temperature                           |
| P-35   | Jungjin Park           | Yonsei University                                         | Harvesting Free Triplets via Energetic Disorder Control in Through-space Coupled Singlet Fission Materials                                                |
| P-36   | Jieun Lee              | Yonsei University                                         | 5,11-Di(thiophen-2-yl)tetracene: A Novel Tetracene Derivative for Efficient Singlet Fission with Enhanced Physical and Chemical Stability in Thin Films   |
| P-37   | Jaewook Kim            | Yonsei University                                         | Manipulating Spin Evolution Process in Intramolecular Singlet Fission: External Heavy Atom and Magnetic Field Effects                                     |
| P-38   | Eiki Nishizato         | Osaka Metropolitan University                             | Intramolecular Singlet Fission Behavior of Dibenzobicyclo[3.3.1]nonadienedione-linked Tetracene Dyad                                                      |
| P-39   | Hajime Miyamoto        | Center for Quantum Information and Quantum Biology        | Spin information transfer in singlet fission induced dynamic nuclear polarization (SF-DNP): importance of coupling connectivity                           |
| P-40   | Mateja Smitran         | The University of Sheffield                               | An investigation of the populating and de-populating rates of the spin = 2 qudit state in a covalently linked rubrene dimer after singlet fission         |
| P-41   | Oliver Nix             | Massachusetts Institute of Technology                     | Strain Effects on Weakly Coupled Triplet Pair States in Tetracene Single Crystals                                                                         |
| P-42   | Asmus Ougaard Dohn     | Technical University of Denmark                           | Conformational Heterogeneity and Torsional Dynamics in Intramolecular Singlet Fission: Structural Insight from Ultrafast X-ray Solution Scattering        |
| P-43   | Benedikte Knorr Jensen | Technical University of Denmark                           | Structural characterisation of singlet fission in tetracene dimers by time-resolved X-ray solution scattering                                             |
| P-44   | Ben Carwithen          | UNSW Sydney                                               | Not-so-magic-angle transient absorption spectroscopy of singlet fission dimers                                                                            |

Please put up your poster during the break on the first day (7/8).  
Please remove it after the conference ends on the final day (7/10).  
Students and postdoctoral researchers are eligible for the poster award.