AGENDA

15th SolTech International Conference in Munich

November 9 – 11, 2026

SOLAR TECHNOLOGIES go HYBRID

hbw ConferenceCenter Haus der Bayerischen Wirtschaft

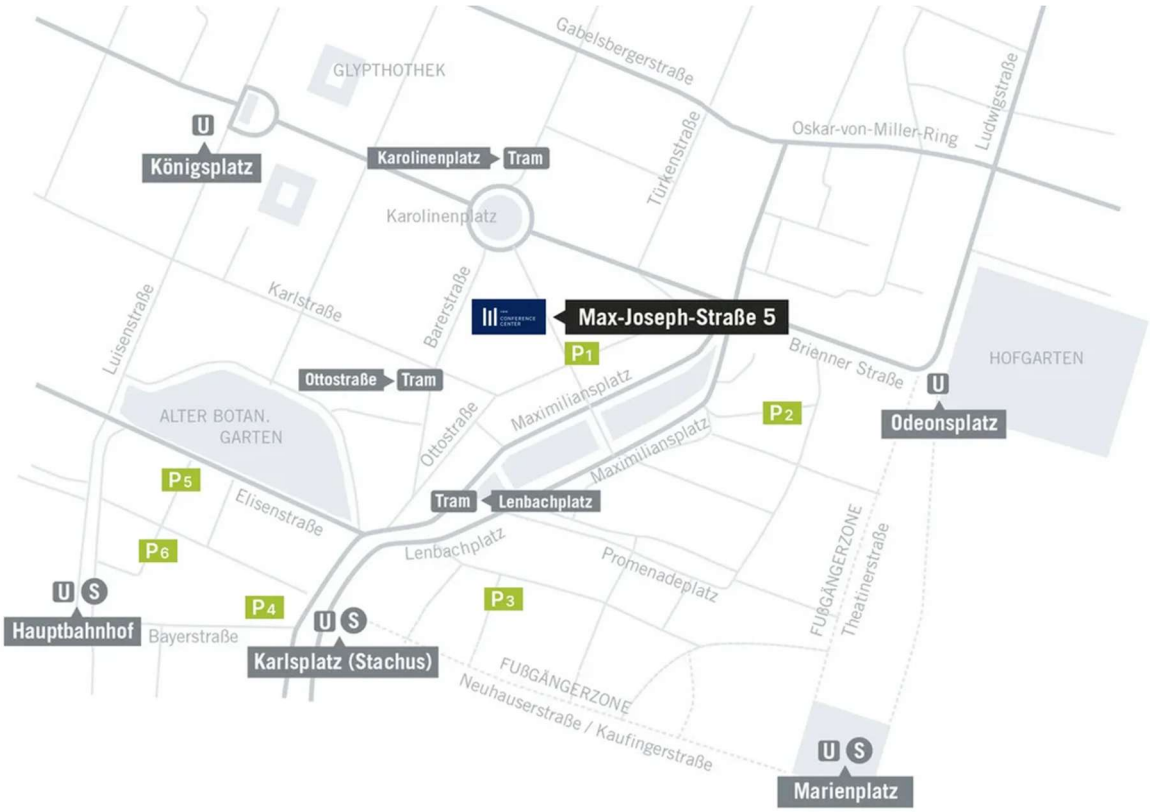
Max-Joseph-Straße 5, 80333 München



Solar Technologies Go Hybrid - KeyLabs

Universität Bayreuth
Julius-Maximilian-Universität Würzburg
Friedrich-Alexander-Universität Erlangen-Nürnberg
Technische Universität München
Ludwig-Maximilian-Universität München

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Acknowledgement

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Bayerisches Staatsministerium für Wissenschaft und Kunst

Monday, November 9, 2026

12:30 – 13:00 Arrival and Registration

Session 1 Chair: Frank Würthner (JMU)

13:15 **Peter Müller-Buschbaum** (TUM)

OPENING REMARKS

13:30 **Invited Speaker: Jochen Feldmann** (LMU, Physik)

SOLTECH HISTORY

13:50 **Johannes Brendel** (UBT)

DESIGNING CONJUGATED POLYELECTROLYTES FOR OPTOELECTRONIC APPLICATIONS

14:10 **Vishnu Eyyanikattil Krishnan** (JMU)

DISENTANGLING NONLINEAR SIGNAL ORDERS IN FLUORESCENCE-DETECTED MULTIDIMENSIONAL SPECTROSCOPY VIA INTENSITY CYCLING

14:30 **Alejandro Cortes Villena** (FAU)

PEROVSKITE NANOCRYSTAL HYBRIDS AS TUNABLE PLATFORMS FOR ENERGY AND CHARGE TRANSFER

14:50 – 15:30 Coffee Break

Session 2 Chair: Jochen Feldmann (LMU)

15:30 **Invited Speaker: Michael Saliba** (Institut für Photovoltaik, Universität Stuttgart)

SHEDDING LIGHT ON WIDE-BANDGAP PEROVSKITES

16:10 **Alexander Urban** (LMU)

ALGORITHMS AND ANTISOLVENTS: THE ART OF BUILDING PERFECT 2D NANOPLATELETS

16:30 **Manjari Jain** (TUM)

PREDICTING THE ELECTRONIC STRUCTURE OF HALIDE PEROVSKITE SURFACES AND NANOSTRUCTURES USING PHYSICS INFORMED HAMILTONIAN LEARNING

16:50 – 18:00 **Poster Session I** (Poster no 1-21)

18.00 – 20.00 Get Together (Beer, Pretzel, Finger food)

Tuesday, November 10, 2026

Session 3 Chair: Johannes Brendel (UBT)

09:00 **Invited Speaker: Alexander Kuehne** (Organic Chemistry, Universität Ulm)

ORGANIC MOLECULES FOR PHOTONIC AND QUANTUM TECHNOLOGIES

09:40 **Agnieszka Nowak-Krol** (JMU)

CHIRAL BN-CONTAINING PAHS: FROM DESIGN AND SYNTHESIS TO FUNCTION

10:00 **Anna Köhler** (UBT)

DISENTANGLING EXCITON DISSOCIATION PATHWAYS IN THE NON-FULLERENE ACCEPTOR Y6

10:20 – 11:00 Coffee Break

Session 4 Chair: Ian Sharp (TUM)

11:00 **Norbert Jux** (FAU)

ARYL-FUSED PORPHYRINS

11:20 **Hagen Übele** (TUM)

HOW COPPER OXIDATION IMPACTS THE INTERFACIAL pH AND THEREBY STEERS PRODUCT SELECTIVITY IN PULSED CO2 REDUCTION ON COPPER ELECTRODES

11:40 **Jan Gerrit Horstmann** (JMU)

GOOD VIBRATIONS: OPTO-STRUCTURAL CONTROL OF FUNCTIONAL MATERIALS

12:00 **Lisa Günther** (UBT)

TIME-RESOLVED FLUORESCENCE SPECTROSCOPY FOR RESEARCH ON SOLAR TECHNOLOGIES: A KEYLAB APPROACH

12:20 – 13:30 Lunch Break

Session 5 Chair: Bettina Lotsch (LMU)

13:30 **Student Highlights** (5 talks, five min. each, 5 min discussion): Markus Griesbach (UBT),

Giovanni Mariano Beneventi (FAU), Zehua Xu (LMU), Martin Schwade (TUM), Mathilde Seinfeld (JMU)

14:10 **Invited Speaker: Doug Fabini** (PSI)

A SIMPLE PHYSICAL MODEL FOR CHEMICAL CONTROL OF DISORDER AND DYNAMICS IN HYBRID PEROVSKITE ENERGY MATERIALS

14:50 **Esma Ugur** (LMU)

PEROVSKITE TANDEM SOLAR CELLS: FROM EFFICIENCY TO STABILITY

15:10 **Zhaonan Jin** (TUM)

ALKALI AND SCN ⁻ADDITIVE ENGINEERING FOR ENHANCED LATTICE STABILITY IN WIDE-BANDGAP INVERTED PEROVSKITE SOLAR CELLS

15:30 – 16:00 Coffee Break

Session 6 Chair: Thomas Fässler (TUM)

16:00 **Invited Speaker: Uli Lemmer** (Lichttechnisches Institut, KIT)

PRINTED ENERGY CONVERSION DEVICES

16:40 **Lirong Dong** (FAU)

UPSCALLING OF FLEXIBLE PEROVSKITE SOLAR MODULES

17:00 **Jenny Schneider** (LMU)

SINGLE-METAL-SITES IN COFS FOR PHOTO- AND ELECTROCATALYTIC CO2-TO-CO CONVERSION: FROM MOLECULAR DESIGN TO DEVICE INTEGRATION

17:20 – 18:30 **Poster Session II** (Poster no 22-42)

19:00 Conference Dinner

Augustiner Stammhaus, „weißer Saal“, Neuhauser Str. 27, München



Wednesday, November 11, 2026

Session 7 Chair: Anna Köhler (UBT)

09:00 **Emiliano Cortes** (LMU)

LIGHT, CHARGE, and ENERGY IN MOTION

09:20 **Johanna Eichhorn** (TUM)

INTERFACES, SURFACES, AND DEFECTS IN PHOTOELECTROCHEMICAL ENERGY MATERIALS

09:40 **Teresa Mauerer** (UBT)

HYDROPHILIC CROSSLINKED DIBENZOTHIOPHENE SULFOXIDE COPOLYMER FOR PHOTOCATALYTIC HYDROGEN EVOLUTION

10:00 **Lena Frank** (JMU)

π-STACKED RYLENE BISIMIDE ARRAYS AS FUNCTIONAL NANOSTRUCTURES FOR SINGLET FISSION

10:20 – 11:00 Coffee Break

Session 8 Chair: Frederic Laquai (LMU)

11:00 **Carolin Mueller** (FAU)

THE BRIDGE MATTERS: TD-DFT INSIGHTS INTO ALKYNE-BRIDGED DONOR-ACCEPTOR SYSTEMS

11:20 **Nivedita Pan** (LMU)

OPTICAL GAIN IN I-III-VI NANOCRYSTALS BEYOND BIEXCITONS

11:40 **Aimilios Christidis** (TUM)

ADVANCES IN THE SYNTHESIS OF INVERSE OPAL STRUCTURES FOR OXYGEN EVOLUTION REACTION

12:00 **Junior Wilfried Tadjeugue-Nangmo** (UBT)

MULTISCALE SIMULATION AND MACHINE-LEARNING SURROGATE OF CHARGE TRANSPORT ACROSS GRAIN BOUNDARIES IN ORGANIC THIN-FILM SEMICONDUCTORS

12:20 **Johannes Adelsperger** (JMU)

A TENSOR-PRODUCT FRAMEWORK FOR FRAGMENT-BASED CONFIGURATION INTERACTION: UNLOCKING COMPLEX BIEXCITONIC PATHWAYS IN MOLECULAR AGGREGATES

12:40 **Anna-Sophie Wollny** (FAU)

LONG- AND SHORT-RANGE ELECTRONIC COUPLING IN PARA VS. META CONJUGATION ON SINGLET FISSION

13:00 **Closing Remarks: Peter Müller-Buschbaum and Thomas Fässler** (TUM)

13:10-14:30 Snacks & Goodbye