AGENDA

15th SolTech International Conference in Munich

November 9 – 11, 2026

SOLAR TECHNOLOGIES go HYBRID

hbw ConferenceCenter Haus der Bayerischen Wirtschaft

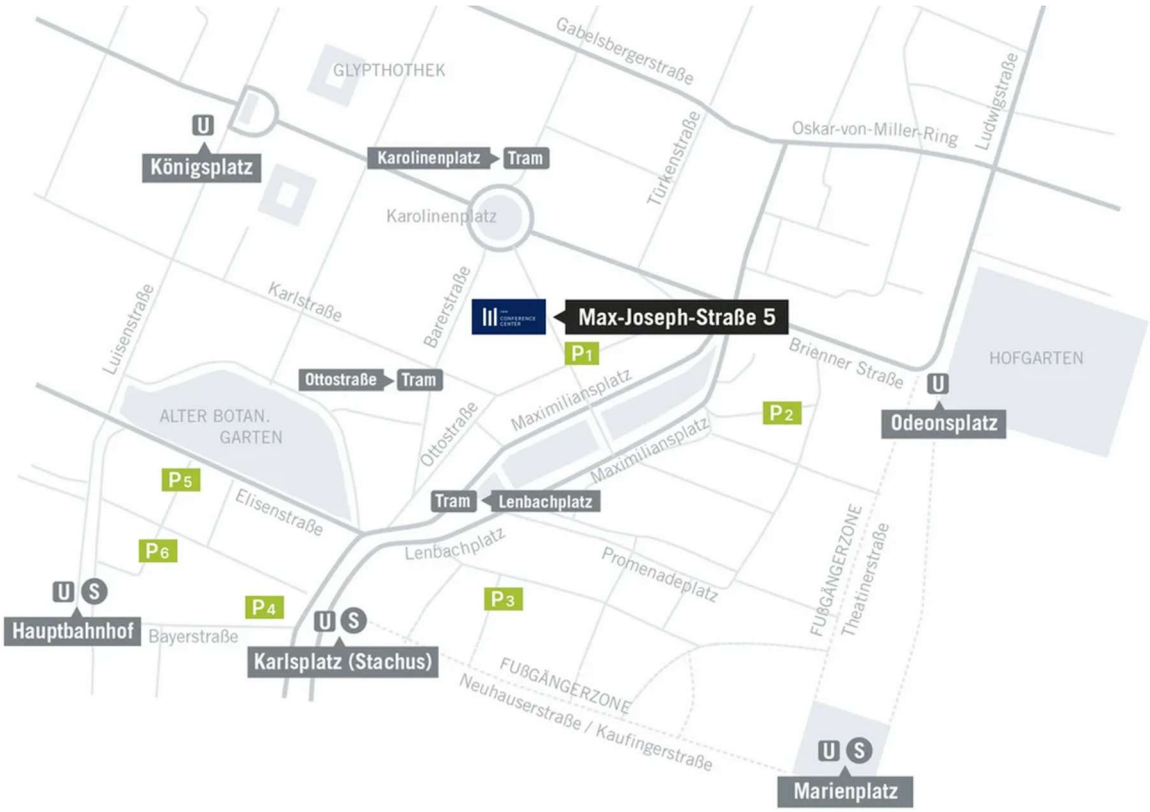
Max-Joseph-Straße 5, 80333 München



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

SolTech is an interdisciplinary project initiated by the State Government of Bavaria to explore innovative concepts for solar energy conversion and storage. We would like to thank the „Bayerisches Staatsministerium für Wissenschaft und Kunst“ for funding „Solar Technologies go Hybrid” (SolTech).

Bayerisches Staatsministerium für Wissenschaft und Kunst

Monday, November 9, 2026

12:30 – 13:00 Arrival and Registration

Session 1 Chair: Frank Würthner (JMU)

13:00 **NN + 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 Vilena** (FAU)

PEROVSKITE NANOCRYSTAL HYBRIDS AS TUNABLE PLATFORMS FOR ENERGY AND CHARGE TRANSFER

14:50 – 15:30 Coffee Break

Session 2 Chair: Bettina Lotsch (LMU)

15:30 **Invited Speaker: Doug Fabini** (PSI)

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

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: XX

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

Anna-Sophie Wollny (FAU), Zehua Xu (LMU), Martin Schwade (TUM), Mathilde Seinfeld (JMU)

14:10 **Invited Speaker:** Michael Saliba (Institut für Photovoltaik, Universität Stuttgart)

SHEDDING LIGHT ON WIDE-BANDGAP PEROVSKITES

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)

HEAVY METAL-FREE NANOCRYSTALS

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

MACROPOROUS THIN FILMS FROM SOLUBLE ALLOYS OF ABUNDANT ELEMENTS 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 **Giovanni Mariano Beneventi** (FAU)

LENGTH-DEPENDENT OPTOELECTRONIC BEHAVIOUR IN NANOGRAPHENES

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

13:10-14:30 Snacks & Goodbye