



Next Generation
Solar Energy
Conference
7th-9th Dec. 2020



ngse₅

next generation solar energy conference
Dec. 7th-9th 2020
Guangzhou, China & Nuremberg, Germany

*The NGSE5 will be held in a hybrid format with online and onsite options.
Participation is by application and free of charge.*

Confirmed Speakers/Lecturers:

Antonio Abate, HZB

Steve Albrecht, HZB

Gang Bao, Advanced Soltech

Derya Baran, KAUST

Jonas Bergqvist, Epishine

Chris Case, Oxford PV

Carsten Deibel, TU Chemnitz

Liming Ding, NCNT, China

James Durrant, Imperial College

Bin Fan, GCL Nano Technology

Alex K.-Y. Jen, City University of Hong Kong

L. Jan Anton Koster, University of Groningen

Weiwei Li, Beijing University of Chemical Technology

Maria A. Loi, University of Groningen

Morten Madsen, SDU

Michael D. McGehee, University of Colorado Boulder

David B. Mitzi, Duke University

Uwe Rau, Forschungszentrum Jülich

Yanming Sun, Beihang University

Hongbin Wu, SCUT

Jingbi You, Chinese Academy of Sciences

„Photovoltaics is a rapidly changing field in science. New technologies and materials are enabling breakthroughs that seemed impossible a decade ago. The NGSE – Next Generation Solar Energy conference was developed by scientists in order to keep the community connected and updated on these developments by offering first class lectures and tutorials on emerging PV-Technologies“

www.ngse.info

NGSE5 Program

The conference concept introduces the topic “Next Generation Solar Energy” with a series of 50 min tutorials. A series of 15 min long impulse lectures on current results and trends will complement the tutorials. In 2020 the NGSE5 is focussing on the following topics:

Tutorial Topics

Fundamentals of PV-junctions
Fundamentals of device physics
Organic materials design and engineering
Inorganic materials design and engineering
OPV stability
Perovskite stability
Microscopic PV simulations
Advanced concepts & emerging PV
Processing & upscaling
Applications of PV

Format

The conference will be held “hybrid” – with both digital participation via video conferencing and with on-site presence. The audience will be connected digitally, the speakers are invited to Erlangen and Guangzhou, but can as well participate and present purely digital if Corona travel limitations are still limiting.

Topics for invited Presentations

Organic photovoltaics
Perovskite photovoltaics
Advanced PV concepts

The complete schedule and titles of the presentations will be announced shortly. Updated information is available on the official internet site www.ngse.info. Mark your calendars. Registration will start soon.

Partners:



Organizing Committee:

Prof. Christoph J. Brabec
Friedrich-Alexander University
Erlangen-Nürnberg

Dr. Jens Hauch
Helmholtz Institute Erlangen-Nürnberg
for Renewable Energy (HI ERN)

Dr. Ning Li
Friedrich-Alexander University
Erlangen-Nürnberg

Prof. Hin-Lap Yip
South China University of Technology

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