



Sino-Germany Workshop on Printable Photovoltaics

May 21st – 23rd, Erlangen, Germany

Organized by



暨南大學
JINAN UNIVERSITY



华南理工大学
South China University of Technology

Program

Monday, May 20, 2024

Arrival

Tuesday, May 21, 2024

H14 lecture hall

Time	Speaker	Title
09:30 - 09:45	Christoph Brabec <i>Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany</i>	Welcome
09:45 - 10:10	Hin-Lap Yip <i>City University of Hong Kong, China</i>	Interface and optical design for organic-based transparent and tandem solar cells
10:10 - 10:35	Derya Baran <i>King Abdullah University of Science and Technology (KAUST), Saudi Arabia</i>	Strategies for resilient organic photovoltaics
10:35 - 11:00	Tayebbeh Ameri <i>Christian-Albrechts-Universität zu Kiel, Germany</i>	Low-Dimensional materials for enhanced performance and longevity in perovskite photovoltaics
11:00 - 11:20	Coffee break	
11:20 - 11:45	Nicola Gasparini <i>Imperial College London, UK</i>	From UV to Near-Infrared light detection: next generation photodetectors for imaging and biometric applications
11:45 - 12:10	Xiaoyan Du <i>Shandong University, China</i>	Stability of organic optoelectronics: the influence of illumination as well as thermal and mechanical stress
12:10 - 12:35	Fei Guo <i>Jinan University, China</i>	Solution-printed perovskite tandem solar cells
12:35 - 14:00	Lunch break	
14:00 - 14:25	Fu Yang <i>Suzhou Sun flex New Energy Co.Ltd, China</i>	Scalable printing of perovskite film for efficient and stable photovoltaic module in ambient atmosphere
14:25 - 14:50	Yousheng Wang <i>Jinan University, China</i>	Wide-bandgap hybrid perovskites based indoor photovoltaics and tandems
14:50 - 15:15	Wolfgang Heiss <i>Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany</i>	Epitaxial lead-halide-perovskite microcrystal microcavity lasers
15:15 - 15:35	Coffee break	
15:35 - 16:00	Tian Du <i>Helmholtz-Institut Erlangen-Nürnberg für Erneuerbare Energien, Germany</i>	Full printing of perovskite solar modules
16:00 - 16:25	Vincent M Le Corre <i>Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany</i>	Machine learning and device modeling as an automated diagnostic tool for high-throughput research
16:25 - 16:50	Jianchang Wu <i>Helmholtz-Institut Erlangen-Nürnberg für Erneuerbare Energien, Germany</i>	Discovering One Molecule Out of a Million: Inverse Design of molecular hole transporting semiconductors tailored for perovskite solar cells
18:00		Social dinner Lawn outside the HI ERN building

Wednesday, May 22, 2024

Fraunhofer-Institut

Time	Speaker	Title
09:30 - 09:55	Yongsheng Chen <i>Nankai University, China</i>	High performance OPV and their application in wearable devices
09:55 - 10:20	Yi Hou <i>National University of Singapore, Singapore</i>	Unlocking the potential of perovskite solar cells: from single-junction to tandem
10:20 - 10:45	Ning Li <i>South China University of Technology, China</i>	Developing organic photovoltaics towards high efficiency and stability
10:45 - 11:10	Simon Kahmann <i>Chemnitz University of Technology, Germany</i>	The power of optical spectro-microscopy in the realm of energy materials
11:10 - 11:30	Coffee break	
11:30 - 11:55	Yakun He <i>King Abdullah University, Saudi Arabia</i>	Single-Component Organic Solar cells: efficiency, stability, and industrial viability
11:55 - 12:20	Chaohong Zhang <i>Peking University Shenzhen Graduate School, China</i>	Multifunctional Ionic Hydrogels: synthesis and applications
12:20 - 12:45	Bo Xiao <i>Wuhan University, China</i>	Modification of Metastable Phase in Organic Solar Cells-Degree of Polymerization
12:45 - 14:00	Lunch break	
14:00 - 14:25	Larry Luer <i>Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany</i>	Identifying crucial device parameters in emerging photovoltaics: towards a digital twin
14:25 - 14:50	Jens Hauch <i>Helmholtz-Institut Erlangen-Nürnberg für Erneuerbare Energien</i>	AMANDA – A materials acceleration platform for autonomous solar cell optimization
14:50 - 15:15	Chao Liu <i>Helmholtz-Institut Erlangen-Nürnberg für Erneuerbare Energien</i>	Optimized Interconnecting Layer for Perovskite/Organic tandem Solar Cells
15:15 - 15:30		Closing remarks
15:30 - 17:00		Poster session (with finger food & drinks)

18:30 Erlangen Beer Festival
Meet at Martin-Luther-Platz
& walk to Erlanger Bergkirchweih

Thursday, May 23, 2024

10:00

Meet at seminar room (1st floor), HI ERN building

10:00 – 12:00

Tour at HI ERN and IMEET

12:00 – 12:40

Bus transfer to Energy Campus Nuremberg (EnCN)

12:40 – 14:00

Tour at EnCN

14:00

Lunch at EnCN, followed by bus transfer back to Erlangen

Information

- Venue for Day 1: **H14 Lecture hall**, *Martensstraße 5/7, 91058 Erlangen*
- Dinner for Day 1: **HI ERN building**, *Immerwahrstraße 2, 91058 Erlangen*
- Venue for Day 2: **Fraunhofer-Institut**, *Schottkystraße 10, 91058 Erlangen*
- Meeting point to Erlanger Bergkirchweih for Day 2: **Martin-Luther-Platz**, 91054 Erlangen, then walk to *Bergstraße 21-11, 91054 Erlangen*



H14 Lecture hall



Through entrance of IMEET



On the right side along the corridor

Fraunhofer-Institut



Martin-Luther-Platz



(Followed by 10 min's walk to *Bergstraße*)

HI ERN building



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