

# SCUT-FAU Joint Workshop 2021

Dec. 16<sup>th</sup> 2021, online

8:50-12:00 (Erlangen) 15:50-19:00 (Guangzhou)

Registration is required:

<https://fau.zoom.us/meeting/register/u5Etd-2prToiGtQYxPvgMwg14DfQ6nBsHXIB>

## Program

8:50-9:00 (Erlangen) 15:50-16:00 (Guangzhou)	Get-together
9:00-9:05 (Erlangen) 16:00-16:05 (Guangzhou)	Welcome speech <b>Prof. Yong Cao</b> <i>South China University of Technology</i>
9:05-9:10 (Erlangen) 16:05-16:10 (Guangzhou)	Welcome speech <b>Prof. Christoph J. Brabec</b> <i>Friedrich-Alexander University Erlangen-Nürnberg</i>
	Group Picture
	<b>Section 1 – Chair: Prof. Chunhui Duan</b> <i>South China University of Technology</i>
9:10-9:25 (Erlangen) 16:10-16:25 (Guangzhou)	Improved Average Figure-of-Merit of High-Efficiency Non-Fullerene Solar Cells <b>Dong Yuan</b> , Junwu Chen <i>South China University of Technology</i>
9:25-9:40 (Erlangen) 16:25-16:40 (Guangzhou)	Unraveling the Charge Carrier Dynamics in Double-Cable Polymer-based Single-Component Organic Solar Cells <b>Yakun He</b> <i>Friedrich-Alexander University Erlangen-Nürnberg</i>

<p><b>9:40-9:55</b> (Erlangen)  <b>16:40-16:55</b> (Guangzhou)</p>	<p>Predicting Device Performance and Stability from Optical Spectra in High Throughput Experimentation  <b>Larry Lüer</b>  <i>Friedrich-Alexander University Erlangen-Nürnberg</i></p>
<p><b>9:55-10:10</b> (Erlangen)  <b>16:55-17:10</b> (Guangzhou)</p>	<p>Phenol-functionalized Perylene Bisimides as Amine-Free Electron Transporting Interlayers for Stable Nonfullerene Organic Solar Cells  <b>Yu Zhang, Zengqi Xie</b>  <i>South China University of Technology</i></p>
<p><b>10:10-10:25</b> (Erlangen)  <b>17:10-17:25</b> (Guangzhou)</p>	<p>Influence of Light Spectrum and Intensity on the Photodegradation of OSCs  <b>Paul Weitz</b>  <i>Friedrich-Alexander University Erlangen-Nürnberg</i></p>
<p><b>10:25-10:40</b> (Erlangen)  <b>17:10-17:30</b> (Guangzhou)</p>	<p>15 min Coffee/Tee Break</p>
	<p><b>Section 2 – Chair: Dr. Larry Lüer</b>  <i>Friedrich-Alexander University Erlangen-Nürnberg</i></p>
<p><b>10:40-10:55</b> (Erlangen)  <b>17:40-17:55</b> (Guangzhou)</p>	<p>In-Situ Self-Organized Anode Interlayer Enables Organic Solar Cells with Simultaneously Simplified Processing and Greatly Improved Efficiency to 17.8%  <b>Jianhua Jing</b>, Kai Zhang, Fei Huang  <i>South China University of Technology</i></p>
<p><b>10:55-11:10</b> (Erlangen)  <b>17:55-18:10</b> (Guangzhou)</p>	<p>High Throughput Material Screening of Organic Solar Cells on a Roll-to-Roll Machine  <b>Michael Wagner</b>  <i>Friedrich-Alexander University Erlangen-Nürnberg</i></p>
<p><b>11:10-11:25</b> (Erlangen)  <b>18:10-18:25</b> (Guangzhou)</p>	<p>Interface Engineering through Top Surface Decoration towards Stable and Efficient Perovskite Solar Cells  <b>Tianqi Niu</b>, Qifan Xue  <i>South China University of Technology</i></p>

<b>11:25-11:40</b> (Erlangen) <b>18:25-18:40</b> (Guangzhou)	Stable Perovskite Solar Cells by High-throughput Screening & Stable Ohmic Contacts <b>Yicheng Zhao</b> <i>Friedrich-Alexander University Erlangen-Nürnberg</i>
<b>11:40-11:55</b> (Erlangen) <b>18:40-18:55</b> (Guangzhou)	B-N Bond Containing Conjugated Molecules and Polymers for Organic Solar Cells <b>Shuting Pang</b> , Chunhui Duan <i>South China University of Technology</i>
<b>11:55-12:00</b> (Erlangen) <b>18:55-19:00</b> (Guangzhou)	Closing Remarks

## Organizing Committee

*South China University of Technology*

**Prof. Yong Cao, Prof. Yuguang Ma, Fei Huang,**  
**Prof. Zengqi Xie, Prof. Chunhui Duan, Prof. Qifan Xue**  
**Prof. Junwu Chen, Prof. Lei Ying, Prof. Kai Zhang**

*Friedrich-Alexander University Erlangen-Nürnberg*

**Prof. Christoph J. Brabec, Dr. Larry Lüer, Dr. Ning Li**

