

A*STAR-Karlsruhe Institute of Technology Joint Mini Symposium “Towards a Sustainable World”	
08:30-09:00	Arrival and Registration
09:00-09:30	Keynote Speeches by Deputy Chief Executive (Research), A*STAR, Prof. Andy Hor and Vice-President (Innovation and International Affairs), KIT, Prof. Thomas Hirth
09:30-09:40	MOU Signing Ceremony
09:40-10:10	Tea Break & Networking
Session 1: Energy-Efficient Processes and Devices Session Chair: Dr. Lili Zhang, ISCE², A*STAR	
10:10-10:25	Dr. Peter Holtappels, IMVT, KIT <i>Combining Micro Reactors and Electrolysis for Power2X Technologies</i>
10:25-10:40	Dr. Yee-Fun Lim, ISCE², A*STAR <i>Electrocatalytic Production of Fuels and Chemicals</i>
10:40-10:55	Prof. Jörg Sauer, IKFT, KIT <i>Catalysis for CO_x-Fixation to Intermediates and the Production of Fuels and Chemicals</i>
10:55-11:10	Dr. Lili Zhang, ISCE², A*STAR <i>Research in Low-Carbon Technologies for Sustainability</i>
11:10-11:20	Dr. Le Yang, IMRE, A*STAR <i>PROFESS – Printed Organic Flexible Electronics & Sensors</i>
11:20-11:30	Dr. Kaicheng Liang, IMCB, A*STAR <i>Efficient Optical Technologies for Biomedicine</i>
11:30-11:50	Block Q&A
11:50-12:00	A*STAR Graduate Academy (A*GA) <i>A*STAR’s International Awards</i>
12:00-13:20	Lunch & Networking
Session 2: Sustainable and New Materials Session Chair: Dr. Zhengtao Xu, IMRE, A*STAR	
13:20-13:35	Dr. Zhengtao Xu, IMRE, A*STAR <i>Molecular Weaving within Coordination Networks: Stable Radicals and (Super)conductivity</i>
13:35-13:50	Prof. Christof Wöll, IFG, KIT <i>AI-Ready Multifunctional Molecular Solids via Atomically Precise Assembly of Building Blocks: The SURMOF Approach</i>
13:50-14:05	Dr. Zibiao Li, ISCE², A*STAR <i>Next-Gen Circular Plastic Materials Towards Sustainable Applications</i>
14:05-14:25	Block Q&A
14:25-14:55	Tea Break & Networking
Session 3: Sustainable Biomanufacturing Session Chair: Dr. Yee Hwee Lim, ISCE², A*STAR	
14:55-15:10	Prof. Ute Schepers, IFG & IOC, KIT <i>Sustainability in Personalized Health: Transporting Drug Candidates to Specific Organs in a Targeted Manner</i>
15:10-15:25	Dr. Yee Hwee Lim, ISCE², A*STAR <i>Harnessing the Gems from Nature & Their Application in Fine Chemicals Biomanufacturing</i>

15:25-15:35	Dr. Ee Lui Ang, SIFBI, A*STAR <i>Enzymes for Sustainable Biomanufacturing – Expanding the Molecular Repertoire and Getting There Faster</i>
15:35-15:45	Dr. Dave Ow, BTI, A*STAR <i>Sustainable Microbial Biomanufacturing of Recombinant Growth Factors and Vaccines</i>
15:45-16:05	Block Q&A
16:05-16:15	Closing Address by Symposium Committee Advisor, Dr. Peter Nagler