

# Schedule of the Keynote Reports

**Monday, 5 August 2019, Yonghe Hall, 3F**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>Session Chair: Mingdong Dong</b>		
08:20 – 09:00	Advanced Functional AIE Dots	Ben Zhong Tang
09:00 – 09:40	Gas Adsorption in a Small Pore Hydride: Microscopic and Macroscopic Characterization by in Situ Diffraction	Yaroslav Filinchuk
09:40 – 10:20	From Multifunctional Nanostructures to Nanorobotic Systems	Peer Fischer
<b>Session Chair: Peer Fischer</b>		
10:40 – 11:20	Landscape of TMDs: From Synthesis to Electrochemical Electronics	Zheng Liu
11:20 – 12:00	Nanopatterning by Covalent Grafting of Graphite using Self-Assembled Molecular Networks as Templates	Yoshito Tobe
<b>Session Chair: Gajendra S Shekhawat</b>		
13:30 – 14:10	Surface-mediated Peptide Assembly Structures Studied with STM	Chen Wang
14:10 – 14:50	Plasmonic Nanostructures and Single Electron Devices Based on DNA Constructions	Jussi Toppari

14:50 – 15:30	Graphene Oxide Optoelectronics	Baohua Jia
<b>Session Chair: Jussi Toppari</b>		
15:50 – 16:30	Real-time Nanoscale Visualization of Biological Molecules at Work with High-speed Atomic Force Microscopy	Takayuki Uchihashi
16:30 – 17:10	Micromachined based Chip Scale Thermal Sensor for Hot Spot Mapping in Transition Metal Dichalcogenides	Gajendra S Shekhawat

**Tuesday, 6 August 2019, Yonghe Hall, 3F**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>Session Chair: Lei Liu</b>		
08:00 – 08:40	DNA-Based Biomaterials and Functional Molecular Networks	Weihong Tan
08:40 – 09:20	Pico-Newton Force Sensing at Liquid-Solid Interfaces: Application to Lubricants	Hiroshi Onishi
09:20 – 10:00	Nanostructured Water-responsive Materials for Evaporation Energy Harvesting	Xi Chen

**Wednesday, 7 August 2019, Yonghe Hall, 3F**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
<b>Session Chair: Cong Liu</b>		
13:30 – 14:10	Planar Magnetic Nanomachines: Role of Symmetry and Controlled Propulsion	Alexander M. Leshansky
14:10 – 14:50	Self-propelled Swimming Nanomachines for Biomedical Applications	Qiang He
14:50 – 15:30	Photochromic Molecules for Photoswitching Units in Molecular Optoelectronics	Kenji Matsuda
<b>Session Chair: Alexander M. Leshansky</b>		
15:50 – 16:30	Structural Investigation of Amyloid Proteins and Its Application in Developing Nanomaterials	Cong Liu
16:30 – 17:10	Nano-molecules: New Building Blocks for Materials Discovery	Zhihong Nie