

Session 1 - Nanodevices for Smarter IoT			
Time	Name	Institution	Title
9:30			Opening speech
10:00	Zengxia Pei	USYD	Functional electrolyte design for efficient Zn batteries
10:15	Md Arifur Rahim	USYD	Self-Assembled Functional Nanomaterials Based on Natural Polyphenols
10:30	Priyank Kumar	UNSW	Engineering hot-carrier transfer to improve plasmonic catalysis
11:00			Morning Tea
11:20	Rongkun Zheng	USYD	Halide perovskite optoelectronics
11:35	Lining Ju	USYD	Inspiration from the Past: Harnessing Ancient Movable Type Printing for Future Personalised Diagnosis of Stroke and Cerebral Thrombosis
11:50	Shuai He	UNSW	
12:05	Dawei Zhang	UNSW	Nanoscale electrical and mechanical properties of van der Waals ferroelectric CuInP2S6
12:30			Lunch
13:30	Zihao Wang	USYD	Developing Personalized Vein-Chips for Enhanced Cerebral Venous Sinus Thrombosis Diagnosis using a Movable Type Manufacturing Technique
13:45	Yuan Chen	USYD	Tailoring carbon materials for energy and environmental applications
14:00	Li Wei	USYD	TBA
14:15	Yansong Shen	UNSW	TBA
14:30	Yahua He	UOW	Controllable flow and manipulation of liquid metals
15:00			Afternoon Tea
15:20	Jiabao Yi	UON	Layered materials for hydrogen evolution reaction
15:35	Xinwei Guan	UON	TBA
15:50	Zhenxiang Chen	UOW	Ferroic materials and their catalysis applications
16:05	Xiaojing Hao	UNSW	Tuning the PV materials for powering Solar fuel and IoT devices
16:20	Moein Seyfour	UNSW	Ferroelectric Solitons in Oxide Superlattices
16:35	Tiziana Musso	UNSW	Novel Magnetic Topological Phases in BFO: A Computational Approach
17:00			Award
17:30			Dinner
Session organizers: Dawei Su, Shuhua Peng, Jianbo Tang, Zhi Li			

Session 2 - Nanomaterials for Better Environment			
Time	Name	Institution	Title
9:30	Opening speech		
10:00	Sarina Sarina	USYD	TBA
10:15	Jun Huang	USYD	TBA
10:30	Xiaopeng Li	UNSW	TBA
11:00	Morning Tea		
11:20	Emma Lovell	UNSW	TBA
11:35	Peggy Zhang	CSIRO Lindfield	Engineering Ferroelectric Heterostructures for Low-Energy Electronic Device Applications
11:50	Ning Zhang	CSIRO Lindfield	TBA
12:05	Jian Pan	UNSW	TBA
12:30	Lunch		
13:30	Jinqiang Zhang	UTS	Refining structures of electrochemical catalysts for energy storage and conversion
13:45	Bing Sun	UTS	Electrode and Catalyst Design for Metal–air Batteries
14:00	Rui Tang	USYD	TBA
14:15	Jiaquan Li	USYD	TBA
14:30	Yong Zhao	CSIRO Newcastle	Integrated CO2 capture and electrolysis for syngas production
15:00	Afternoon Tea		
15:20	Xunyu Lu	UNSW	TBA
15:35	Jessica Allen	UON	TBA
15:50	Zhengbiao Peng	UON	Gas-liquid-solid flow at microscale towards applications in micro- and nano-reactors
16:05	Yunxiao Wang	UOW	TBA
16:20	Wei Kong Pang	UOW	Site-specific Doping Strategy for Better-performance Energy Materials: A Root-cause Analysis Using Neutron and X-ray Scattering
17:00	Award		
17:30	Dinner		
Session organizers: Zhaojun Han, Wengui Li			

Session 3 - Biomaterials and Devices for Healthier Life			
Time	Name	Institution	Title
9:30	Opening speech		
10:00	Lingqing Zong	UNSW	Oxygen-Vacancy-Rich MXene Nanonetworks: A Novel Strategy for Antimicrobial Sonodynamic Therapy.
10:15	Cindy Gunawan	UTS	Adaptation of Biofilm-Forming Pathogen to Antimicrobial Nanoparticle
10:30	Peter Su	UTS	Intracellular Temporal, Spatial and Thermal Dynamics Revealed by Biophysical Nanotools and Advanced Imaging
11:00	Morning Tea		
11:20	Shuying Wu	MQ	Wearable sensors based on polymer nanocomposites
11:35	Thanh Nho Do	UNSW	TBA
11:50	Hoang-Phuong Phan	UNSW	Inorganic nanomembranes for wearable and implantable applications
12:30	Lunch		
13:30	Yuling Wang	MQ	Small extracellular vesicles as new biomarkers in cancer diagnosis and therapy
13:45	Ying Zhu	UTS	Optical strategies for single extracellular vesicle detection towards early cancer diagnosis
14:00	Xiaoxue Xu	UTS	Dynamic Nonlinearity in Upconversion Nanoparticles for Advanced Biomedical Optical Imaging
14:15	Bingyang Shi	MQ	New Strategies for Brain Disease Drug Development from new target discovery to Blood-Brain Barrier (BBB) Penetrative Nanomedicine
14:30	Zhen Jiang	UOW	TBA
15:00	Afternoon Tea		
15:20	Tianruo Guo	UNSW	TBA
15:35	Qiang Fu	UTS	TBA
15:50	Ming Li	MQ	High-Throughput Single-Cell and Single-Molecule Assays with Droplet Microfluidics
17:00	Award		
17:30	Dinner		
Session organizers: Sophia Gu, Kang Liang, Jiangtao Xu			