

MCN welcomes the University of Tokyo



Start	Stop	Speaker	Affiliation	Talk Title
10:00	10:15	Sean Langelier	MCN	Welcome
10:15	10:30	Santwana Pati	University of Tokyo	Synthesis of Advanced PANI Based Conductive Composites Using Methacrylate Groups Based Materials for Aerospace Applications
10:30	10:45	Hazem Abdelmaksoud	Monash University	Germanium nanostructure fabrication and optimisation for analytical and biosensing applications
10:45	11:00	Takumi Ishikawa	University of Tokyo	Study on the friction properties of a-C:H films in a microstructural point of view
11:00	11:15	Morning Tea		
11:15	11:30	Crystal Chen & Stella Aslanoglou	Monash University	Engineering Vertically Aligned Silicon Nanowire (VA-SiNW) Arrays for Delivering Bioactive Molecules to Mammalian Cells
11:30	11:45	Yu Yamashita	University of Tokyo	Polymer Semiconductors showing Transport of Delocalized Carriers
11:45	12:00	Zhipeng Li	RMIT	Synthesis of Ultrathin Composition Graded Lateral WSe ₂ /WS ₂ Heterostructures
12:00	12:15	Yo Iida	University of Tokyo	Mode-selective phonon excitation using pulse-shaped intense ultrashort optical pulses
12:15	13:00	Lunch		
13:00	13:15	Shu Gong	Monash University	Highly Sensitive and Wearable E-skin with Ultrathin Gold Nanowires
13:15	13:30	Yu Jeco, Bernice Mae Fetalvero	University of Tokyo	Study of optimal multijunction solar cell designs with uniform luminescent coupling for higher energy conversion efficiency
13:30	13:45	Zhigao Dai	Monash University	Real-space observations of polaritons in layered 2D materials exposed by s-SNOM
13:45	14:00	Yang Qian	University of Tokyo	Synthesis of Large-Area 2-Dimensional Molybdenum Disulfide Nanomaterial for Application in Solar Cells
14:00	14:15	Afternoon Tea and Discussion		
14:15	14:30	Srinivas Mettu	University of Melbourne	Rapid Prototyping of Nano Channels using the Nanofrazor
14:30	14:45	Muhammad Anisur Rahman	MCATM	Influence of CVD Growth Parameters on the Corrosion Resistance of the Resultant Graphene Coating
14:45	15:00	Tania Moein	Swinburne	Nonlinear Optical Effects in Silicon Waveguides
15:00	15:15	Arcot Yugandhar	Deakin University	Serpentine Microfluidic Channels on Polymers for Filtration and Separation of Particles
15:15	16:00	MCN Tours		