

3rd NUS-IMCE Workshop in Kyushu

Feb. 25th to Feb. 26th 2016
ITO-IMCE (CE41) 1F Hall, ITO campus
Kyushu University
Fukuoka, Japan

Organized by JSPS Bilateral Joint Research Projects and
IMCE Kyushu University



Department of Department of Physics/Chemistry,
National University of Singapore (NUS)

IMCE



KYUSHU UNIVERSITY

Institute for Materials Chemistry and Engineering (IMCE),
Kyushu University

25th February 2016 (Thursday), ITO-IMCE 1F Hall		
14:00-14:10	Opening Address	Prof. Kaoru Tamada (IMCE)
14:10-14:50	Specila Lecture 1: STM/STS Studies of Organic-2D Heterointerfaces	Prof. Andrew T.S. Wee (NUS)
14:50-15:20	Specila Lecture 2: Single Crystalline Metal Oxide Nanowires and Their Promises	Prof. Takeshi Yanagida (IMCE)
15:20-15:40	Break 20min	
15:40-16:00	Bio-metamaterial: Black Ultrathin Gold Film Fabricated on Lotus Leaf	Prof. Kotaro Kajikawa (TiTech)
16:00-16:25	Third Harmonic Generation in Few-Layered and Laser Thinned Black Phosphorus	Prof. José Viana Gomes (NUS)
16:25-16:45	pn Junction of Doped Polymer Semiconductors by Evaporative Spray Deposition	Prof. Katsuhiko Fujita (IMCE)
16:45-17:10	Molecular DNA Interactions with Solid-State Surfaces	Prof. Slaven Garaj (NUS)
17:10-17:30	New Developments of Broadband Plasmonics and Nano-Optical Characterizations	Prof. Koichi Okamoto (IMCE)

26th February 2016 (Friday), ITO-IMCE 1F Hall		
9:30-9:50	Graphene-TMDC Heterostructures	Prof. Hiroki Ago (IMCE)
9:50-10:15	Exciton Dynamics and Coupling Phenomena in Two-Dimensional Semiconductors and Their Heterostructures	Prof. Goki Eda (NUS)
10:15-10:35	Rectification Mechanism of Alternating Electro-Osmotic Flow in AC Driven Electro-Osmotic Flow Pumps with Porous Polymer Membranes	Prof. Yasushi Okumura (IMCE)
10:35-10:55	Break 20min	
10:55-11:05	Designing of Ultra-Low Threshold Lasers using Quantum Dots	Prof. Sou Ryuzaki (IMCE)
11:05-11:15	Localized Surface Plasmons Excited on Au-Ag Mixed Nanoparticle Sheet	Prof. Daisuke Tanaka (ONCT)
11:15-11:25	Optical, Electronic and Mechanical Properties of 2D Silver Nanoparticle Sheet	Prof. Pangpang Wang (IMCE)
11:25-11:50	Heterostructured Colloidal Semiconductor Nanocrystals and Their Applications in Optoelectronics	Prof. Yinthai Chan (NUS)
11:50-12:00	Closing Remarks	