

NanoThailand 2016

Sunday 27 November 2016

Heron 1: Session 1: Theory and simulation related to nanosystem - Room2 (15:15 - 16:45)

time	[id] title	presenter
15:15	[268] Sustainable Innovation of Magnetic Field Application in Catalytic Co ₂ Conversion	CHAREONPANICH, Metta
15:35	[5] Identification of Defects in Materials: A Combination of First-principles Calculations and Experiments	Dr T-THIENPRASERT, Jiraroj
15:55	[235] Nondestructive 3D Characterization of Materials Using Optical Coherence Tomography	MEEMON, Panomsak
16:15	[47] Theoretical Investigation on the Electroreduction of CO ₂ to Methanol on Stepped Cu-based Alloy (211) Surfaces	Dr HIRUNSIT, Pussana
16:30	[166] Molecular Structure and Formation of Melatonin in the Bulk Water and at the Water–Air Interface: A Molecular Dynamics Simulation Study	RITWISET, Aksornnarong

Monday 28 November 2016

Heron 1: Session 2: Nano-characterization & instruments & Nanomaterials & nanostructures - Room2 (10:15 - 12:05)

time	[id] title	presenter
10:15	[175] The mystery of high temperature superconductivity at the FeSe/STO interface	Prof. FENG, Donglai
10:35	[265] Possible electric field induced indirect to direct band gap transition in MoSe ₂	Prof. CHANGYOUNG, Kim
10:55	[266] First-principles study on two dimensional dichalcogenides for hydrogen production	Prof. HAN, Seungwu
11:15	[25] The observation of strain-induced valence band splitting on HfSe ₂ by Alkali metal intercalation	Dr EKNAPAKUL, Tanachat
11:30	[38] Analysis of electronic spectral weight of two-dimensional electron gases at the surfaces of ferroelectric KNb _x Ta _(1-x) O ₃ across T _c	CHAIYACHAD, Sujinda

Heron 1: Session 3: Nano-electronics/systems - Room2 (13:00 - 14:55)

time	[id] title	presenter
13:00	[269] Polymer/Metal Nanoparticle/Nanocarbon Hybrid Materials for Highly Sensitive and Selective Volatile Organic compound Detection	WONGWIRIYAPAN, Winadda
13:20	[171] DESIGNING MOLECULAR STRUCTURES OF D- π -A TYPE ORGANIC DYES FOR HIGH EFFICIENCY DYE-SENSITIZED SOLAR CELLS	Prof. PROMARAK, Vinich
13:40	[261] X-ray Absorption Investigation on Cation Distribution and Magnetic Behavior of Zinc Ferrite Nanoparticles	PECHARAPA, Wisanu
14:00	[229] Fabrication of Highly Aligned CNT and P(VDF/TrFE) Nanofiber Sheets	MIMURA, Hidenori
14:20	[127] Simulation of single quantum well solar cells	Dr KUNRUGSA, Maetee

Heron 1: Session 4: Nano-energy & storage - Room2 (15:00 - 16:55)

time	[id] title	presenter
15:00	[233] Natural Materials for Dye Sensitized Solar Cells: Experimental and Theoretical Study	AMORNKITBAMRUNG, Vittaya
15:20	[293] A recent development of mixed metal oxides/polymer nanocomposites as energy storage catalysts	Dr NGAOTRAKANWIWAT, Pailin
15:40	[123] Electrical Properties of Co-Doped LiFePO ₄ Nanomaterial by Impedance Spectroscopy Technique	Mr KRABAO, Phongsit
15:55	[141] The porous carbon derived from the KOH activation of agro-waste char for supercapacitor electrode	Dr SODTIPINTA, Jedsada
16:10	[124] Synthesis and identification of silica and activated carbon nanocomposite from rice husks for energy storage	Mr KANAPHAN, Yutthanakon
16:25	[111] Investigation the role of Co ²⁺ in LiFePO ₄ cathode material during batteries operation by In-situ XANES technique	Ms CHANTRASUWAN, Patcharapohn

16:40	[65] Fabrication of Perovskite Solar Cell via Rapid Convective Deposition Technique	Mr SARANROM, Natpapon
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Tuesday 29 November 2016

Heron 1: Session 5: Nano-energy & storage - Room2 (10:15 - 12:15)

time	[id] title	presenter
10:15	[247] Chitosan-metal nanohybrids for microbial detection and extraction	Prof. CHIRACHANCHAI, Suwabun
10:35	[295] Charge storage mechanisms of manganese oxide nanosheets and N-doped reduced graphene oxide aerogel for high-performance asymmetric supercapacitors	Dr SAWANGPHRUK, Montree
10:55	[263] Molecular Dynamics Simulations and Gaussian Network Model in Improving Protein-Protein Binding Affinity: HIV and Dengue Cases	LEE, Vannajan Sanghiran
11:15	[159] Fabrication, Characterization, and Electrochemical Properties of Electrospun MnCo ₂ O ₄ Nanofibers	Ms KALAWA, Ornuma
11:30	[160] Synthesis, characterization and electrochemical properties of KFeO ₂ nanoparticles prepared by sol-gel method	Ms SICHUMSAENG, Thongsuk
11:45	[161] Improved Electrochemical Properties of Activated Biomass/FeOx/MnOx Composite Prepared by Hydrothermal method for Supercapacitor Electrode Materials	Ms WONGPRATAT, Unchista
12:00	[60] DIAMONDROID COUNTER ELECTRODES FOR DYE-SENSITIZED SOLAR CELLS	SIRIROJ, Sumeth

Heron 1: Session 6: Other related topics - Room2 (13:30 - 14:30)

time	[id] title	presenter
13:30	[142] Gas Response of Tin Oxide Film Sensor to Varying Methane Gas Concentration	Prof. FLORIDO, Emmanuel
13:45	[17] ELECTROWETTING ON DIELECTRIC (EWOD) OF SESSILE MICRODROPLETS CONTAINING POLYDISPERSE GOLD NANOPARTICLES	Prof. PATACSIL, Crismar
14:00	[53] Salicylideneaniline-Functionalized Poly(m-phenyleneethynylene)s as Fluorescent Turn-On Chemosensors for Cations	Ms THAVORNSIN, Nopparat
14:15	[104] Observing Chitooligosaccharide Traveling through a Biological Nanopore of Escheriachia coli	SOYSA, H. Sasimali M.