

Quantum Engineering Design Course

Master Thesis Presentation

Date : 17 June 2011 Time : 10:30-16:20
Venue : Meeting Room D · E , 3F, Icho Kaikan,
Suita Campus, Osaka University

PROGRAM

Moderator : Escaño Mary Clare Sison

- 10:30-10:35 Opening remarks by Prof. Hideaki Kasai
- 10:35-10:50 Muhammada Aslam Bin Rosle (Short term course Kasai Lab)
“A study on the adsorption of oxygen on single-walled carbon nanotubes (SWNT) for gas sensor”
- 10:50-11:05 Gagus Ketut Sunnardianto (Short term course Akai Lab)
“H-doped graphene”
- 11:05-11:20 Cica Gustiani (Short term course Kasai Lab)
“O₂ dissociative adsorption on Cu and Pt”
- 11:20-11:35 Jagadeesh S (Short term course Shirai Lab)
“Structural study of α -Tetragonal boron by computational method”
- 11:35-11:50 Elisha Gabrielle V. Tiu (Short term course Kubo Lab)
“Synthesis of Novel Ligand Molecules Based on Tetrakis(2-pyridyl)methane”
- 11:50-12:05 Bui Van Pho (Short term course Yamauchi Lab)
“Study on removal mechanism of Catalyst-referred etching on 4H-SiC (0001) surface”
- 12:05-13:00 Lunch
Moderator : Nghiem Hoa Thi Minh
- 13:00-14:00 Meeting of QEDRI Professors
- 14:00-14:20 Allan Abraham Bustria Padama (M2 Kasai Lab)
“The mechanism of H₂ dissociation and adsorption on Mn-modified Ni(111) surface: A density functional theory-based investigation ”
- 14:20-14:40 Ta Viet Ton (M2 Yagi Lab)
“Asymptotic behaviour of solutions to two stochastic models in physics and ecology ”
- 14:40-15:00 Saputro Adhitya Gandaryus (M2 Kasai Lab)
“Oxygen Reduction Reaction (ORR) Mechanism on Co-(n)Ppy (n=4,6) Clusters: DFT Study.”
- 15:00-15:20 Nguyen Duy Huy (M2 Morikawa Lab)
“First principles study on electronic structures and electron transport properties of one-dimensional systems C/BN hetero-nanotubes and gold nanowires”
- 15:20-15:40 Coffee Break
Moderator : Nguyen Tien Quang
- 15:40-15:55 Joaquin Lorenzo Valmoria Moreno (M1 Kasai Lab)
“Adsorption reactions on Fe-filled single walled carbon nanotubes: A DFT study”
- 15:55-16:10 Ashim Kumar Saha (M1 SaharaLab)
“Design and Fabrication of Circular Grating Coupled Surface Emitting Laser (C-GCSEL)”
- 16:10-16:25 Ryan Lacdao Arevalo (M1 Kasai Lab)
“Borohydride adsorption and interaction with OH on Mn(111) ”
- 16:25-16:40 Nguyen Hoang Linh (M1 AkaiLab)
“Electronic structure and magnetic properties of LaFeAsO”
- 16:40-16:55 Closing remarks by Prof. Toshiaki Suhara
- 16:55-17:00 Picture taking