

Quantum Engineering Design Course

Master Thesis Presentation 修士論文発表会

Date: June.23.2009 Time: 13:30~17:35

Venue : Ichō-kaikan, Osaka University

Moderator : Wungu Triati Dewi Kencana

- 13:30-13:35 Opening Remarks **Prof. Hideaki Kasai**
- 13:35-13:55 “Numerical Computing for Chemotaxis Model”
Doan Duy Hai (Yagi Lab) M2
- 14:00-14:20 “Kondo Resonance and Magnetic Properties of Two
Magnetic atoms on Metal surface: QMC Simulation”
Hoa Nghiem (Kasai Lab) M2
- 14:25-14:45 “A Theoretical Study On The Formation and Binding
Energies of Small Water Cluster Systems”
Handoko Setyo Kuncoro (Kasai Lab) M2
- 14:50-15:10 “Alternative Fuel Cell Cathode Catalyst Design by First
Principles: Trends and Correlation ”
Mary Clare Sison Escaño (Kasai Lab) M2
- 15:15-15:35 “Computational Dislocation Dynamics using Level Set
Method”
Pan Jun (Shibutani Lab) M2
- 15:40-16:00 Coffe break

Moderator : Abdulla Ali Abdulla Sarhan

- 16:00-16:10 “Surface Interaction Analyses by Molecular Orbital
Calculations - Case of Carbon Dioxide onto Polymer
Seo Junghee (徐 延熙) (Shibutani Lab) M1
- 16:15-16:25 “Graphitic Carbon Nitride as a photocatalyst : A Theoretical
Study”
Aspera Susan Menez (Kasai Lab) M1
- 16:30-16:40 “Quantum Study of Platinum Cluster Adsorption on
 γ -alumina surface”
Ferensa Oemry (Kasai Lab) M1
- 16:45-16:55 “Graphite-Nitride System Active Site for Oxygen Reduction
Reaction”
Fajarisandi Dimas (Kasai Lab) M1
- 17:00-17:10 “Theoretical Study on The Adsorption of NO on Metal Side of
Metal Phthalocyanine for Biosensor Application”
Nguyen Quang Tien (Kasai Lab) M1
- 17:15-17:25 “Study on Estimation of Fatigue Life and
Reliability for Metallic Diaphragm based on FEM”
李 興盛(Li XingSheng) (Kurashiki Lab) M1
- 17:30-17:35 Closing remarks **Prof. Yoji Shibutani**

