

SEMINARS

Prof ANG, How Ghee
Energetics Research Institute, Nanyang Technological University,
Singapore
“EnRI and the New Generation of Energetic Materials”
9 December 2010

Prof APELOIG, Yitzhak
Israel Institute of Technology, Israel
“Low-Coordinate Silicon Compounds: Experiment and Theory
in Synergy”
23 April 2010

Prof ARNER, Elias
Department of Medical Biochemistry and Biophysics, Karolinska
Institutet, Stockholm, Sweden
“Structure and Catalytic Functions of the Mammalian Seleno-
protein Thioredoxin Reductase 1 (TrxR1)”
8 June 2010

Prof AWAZU, Kunio
Department of Engineering, Osaka University, Japan
“The Present and the Future of Laser Medical Treatment –Toward
the Disease-selective Laser Medical Treatment–”
23 June 2010
“Toward the Disease-selective Laser Medical Treatment –the
Expectation for Mid-infrared Lasers–”
17 November 2010

Prof AZECHI, Hiroshi
Institute of Laser Engineering, Osaka University, Japan
“New Attempt to Laser Energy Science”
6 May 2010

Assoc Prof BATZOGLOU, Serafim
Computer Science Department, Stanford University, USA
“Extracting Medical and Ancestry Information from Genomes”
1 July 2010

Dr BHUSHAN, Ravi
Physical Research Laboratory, India
“Trace Elements in the Sea: GEOTRACES Indian Perspective”
9 November 2010

Prof BOUCHIAT, Helene
Laboratoire de Physique des Solides, Universite Paris-Sud, Orsay,
France
“Quantum Transport in Graphene”
6 August 2010

Prof CHAIRUANGSRI, Torranin
Department of Industrial Chemistry, Faculty of Science, Chiang
Mai University, Thailand
“ZnO Nanostructures for Nano-Device Applications”
“Nano-Precipitation Phenomena in Cast Metals”
30 March 2010

Prof CHEN, Luonan
Shanghai Institutes for Biological Sciences, Chinese Academy
of Sciences, China, P. R.
“Screening Biomolecular Networks Based on High Throughput
Data”
5 November 2010

Dr CHEN, Shih-Yun
National Taiwan University of Science and Technology, Taiwan
“STEM/EELS Analysis on Transition-Metal Compounds with
Superconducting and Magnetic Properties”
20 July 2010

Prof DOUCET, Henri
Institut Sciences Chimiques de Rennes, Université de Rennes,
Catalyse et Organometalliques, Rennes, France
“Palladium-Catalyzed Functionalization of Heteroaromatics via
C-H Bond Activation”
12 July 2010

Prof Em EGERTON, Raymond F
Physics Department, University of Alberta, and National Insti-
tute for Nanotechnology Edmonton, Canada
“EELS for Nanoscience”
5 April 2010

Prof FISCHER, Roland A
Anorganische Chemie II, Ruhr-Universität Bochum, Bochum,
Germany
“Carbenoid Group-13 Metal Ligands and Their Use for Synthesis
of Novel Metal Rich Molecules”
21 October 2010

Prof FUCHI, Shingo
Graduate School of Engineering, Nagoya University, Japan
“Development and Applications of Near-Infrared Light with
Glass Phosphorescence”
“Knowledge on Patent Useful for Researchers: From Stand-
points of Examiner in Patent Office”
22 November 2010

Prof FUJIKAWA, Seizo
Graduate School of Agriculture, Hokkaido University, Hokkaido,
Japan
“The Effect of Supercooling-facilitating Substances”
2 February 2010

Assoc Prof FUJINO, Shigeru
Graduate School of Engineering, Kyushu University, Fukuoka, Japan
“Nanoprinting Technology of Silica Glass”
24 June 2010

Prof FUJIWARA, Takumi
Graduate School of Engineering, Tohoku University, Sendai, Japan
“Micro-optical Functional Glasses Prepared by Laser-processing”
24 June 2010

Prof GABRYS, Barbara J
University of Oxford, UK
“Man-made Materials: Blessing or Curse?”
21 May 2010

- Prof GAN, Liangbing
College of Chemistry and Molecular Engineering, Peking University, China, P. R.
“Fullerene Skeleton Modification: Preparation of Open-cage and Aza Fullerene Derivatives”
29 October 2010
- Prof GARIÉPY, Jean
Department of Medical Biophysics, University of Toronto, Toronto, Canada
Princess Margaret Hospital, Ontario Cancer Institute, Toronto, Canada
“A Ribosomal Peptide as a Scaffold for Developing Antidotes against Common Ribosome-Inactivating Protein Toxins”
24 August 2010
- Dr GLOTER, Alexandre
Laboratoire de Physique des Solides, France
“ADF and EELS in Aberration Corrected STEM”
23 August 2010
- Prof GRÄSLUND, Astrid
Department of Biochemistry and Biophysics, Stockholm University, Stockholm, Sweden
“Biophysical Studies of Cell Penetrating Peptides and Their Membrane Interactions”
2 November 2010
- Prof GRIESER, Manfred
Max Planck Institut für Kernphysik, Germany
“Recent Developments at the Storage Rings, TSR & CSR”
4 June 2010
- Assist Prof HASHISAKA, Masayuki
Research Center for Low Temperature Physics, Tokyo Institute of Technology, Tokyo, Japan
“Surface Acoustic Wave on Semiconductor Microstructure”
23 July 2010
- Assoc Prof HAYASHI, Ken-ichiro
The Faculty of Science, Okayama University of Science, Okayama, Japan
“Chemical Biology of the Phytohormone Auxin”
12 November 2010
- Prof HE, Jiasong
The Chinese Academy of Sciences, Beijing, China, P. R.
“Applied Rheology of Polymer Composite Containing Thermotropic Liquid Crystalline Polymers”
4 November 2010
- Assoc Prof HEMANDEZ, Olivier
University of Rennes 1, France
“Low Temperature Oxygen Mobility in Solid Oxide Ion Conductors: Recent Key Contributions from Neutron and Synchrotron Facilities”
27 July 2010
- Prof JIN, Xiaofeng
Department of Physics, Fudan University, Shanghai, China, P. R.
“Unveiling the Intrinsic Origin of the Anomalous Hall Effect”
9 July 2010
- Prof KANG, Kicheon
Department of Physics, Chonnam National University, Korea, R.
“Quantum Mechanics Helps Sensitive and Efficient Charge Detection”
12 March 2010
- Dr KATO, Masaki
Structural Glycobiology Team, RIKEN Advanced Science Institute, Wako, Saitama, Japan
“Bioinformatics for Glycobiology: From the Viewpoints of Wet Laboratory”
8 March 2010
- Prof KEUNINGS, Roland
Université Catholique de Louvain, Louvain-la-Neuve, Belgium
“The Proper Generalized Decomposition”
16 August 2010
- Prof KITA, Yasuyuki
College of Pharmaceutical Sciences, Ritsumeikan University, Kyoto, Japan
“My Dream : Discovering a New Drug”
12 November 2010
- Prof KNAPP, Ernst-Walter
Institute of Chemistry & Biochemistry, Free University of Berlin, Germany
“SPARROW a Protein Secondary Structure Predictor, Variations on an Old Theme”
23 July 2010
- Assoc Prof KOGA, Tad
Stony Brook University, USA
“Interfacial Structure and Dynamics of Soft Matter as Studied by Quantum Beam”
30 July 2010
- Assist Prof KORENAGA, Toshinobu
Okayama University, Okayama, Japan
“Rate Enhancement of Metal-Catalyzed Reaction by Highly Electron Deficient Diphosphene Ligand”
17 November 2010
- Prof KOTORA, Martin
Charles University, Czech Republic
“Substituted Dewar Benzenes: Synthesis, Reactivity and Application”
6 January 2010
- Prof KROL, Alain
Centre National de la Recherche Scientifique (CNRS), Strasbourg, France
“An Unanticipated Complexity to Incorporate Selenocysteine into Proteins Important for Health and Disease”
9 February 2010
- Dr KWAK, Yung Wan
Department of Chemistry, Carnegie Mellon University, USA
“New Development of ATRP and RAFT Polymerization”
21 September 2010
- Prof LEE, Hee-Seung
Korea Advanced Institute of Science and Technology, KAIST, Korea, R.
“Design and Synthesis of Unnatural Oligomers that can Mimic Various Biological Functions”
23 February 2010
- Prof LIU, Chen-Yang
The Chinese Academy of Sciences, Beijing, China, P. R.
“Probe Rheology: a Simple Method to Test Chain Dynamics”
4 November 2010

- Prof LONG, Didier
CNRS/Rhodia, Saint-Fons, France
“Unique Plastic and Recovery Behavior of Nanofilled Elastomers and Thermoplastic Elastomers”
31 August 2010
- Prof LUH, Tien-Yau
Department of Chemistry, National Taiwan University, Taiwan
“Alternating Dialkylsilylene-Divinylarene Copolymers”
29 January 2010
- Prof MAZET, Clement
Department of Organic Chemistry, University of Geneva, Geneva, Switzerland
“Access to Chiral Aldehyde by Iridium Catalysis”
9 July 2010
- Assist Prof MITSUDOME, Takato
Department of Materials Engineering Science, Graduate School of Engineering Science, Osaka University, Osaka, Japan
“Development of a Novel Wacker-type Process without Copper Catalyst”
5 March 2010
- Prof MUGESH, Govindasamy
Indian Institute of Science, India
“Antioxidant Activity of Organoselenium and Tellurium Compounds”
24 December 2009
- Prof MUNHEYUKI, Eiro
Department of Physics, Chuo University, Tokyo, Japan
“Single-Molecule Experiment on Molecular Motor and Its Connection to F₁-ATPase Energetics”
23-25 August 2010
- Assoc Prof NAKAMURA, Atsuyoshi
Graduate School of Information Science and Technology, Hokkaido University, Sapporo, Japan
“Algorithms for Finding a Minimum Repetition Representation of a String”
11 November 2010
- Assoc Prof NEGISHI, Yuichi
Department of Chemistry, Faculty of Science Division I, Tokyo University of Science, Tokyo, Japan
“Synthesis and Characterization of Magic Number Cluster of Gold, Palladium, and Platinum”
10 July 2010
- Mr NODA, Toshiaki; Ms NATSUME, Hideko
Nagoya University, Aichi, Japan
“Glass Instruments Affecting the Outcome of Experiments”
13 May 2010
- Assist Prof OKA, Takashi
Graduate School of Science, University of Tokyo, Tokyo, Japan
“Photon-induced Hall Effect”
20 April 2010
- Prof ORGAN, Michael G
Department of Chemistry, York University, Toronto, Canada
“Designing a Catalyst from First Principles for C–C and C–X Bond Formation”
8 November 2010
- Dr OTSUKA, Yuji
Morphological Research Laboratory, Toray Research Center Inc., Shiga, Japan
“Local Structure Analysis of Wire-laminated Part in ULSI by STEM-EELS”
15 January 2010
- Assoc Prof OYAMA, Tokitaka
Graduate School of Science, Kyoto University, Kyoto, Japan
“Cyanobacterial Circadian Oscillation System: Its Oscillator and Transcriptional Output Regulation”
26 March 2010
- Assoc Prof PARK, Seung Bum
Department of Chemistry, Seoul National University, Seoul, Korea, R.
“Development of Novel Therapeutic Agents Using Molecular Diversity and Chemical Biology”
8 October 2010
- Prof PIEL, Joern
Kekulé Institute of Organic Chemistry and Biochemistry, University of Bonn, Bonn, Germany
“Mining (meta)genomes for Drug Discovery and Development”
2 September 2010
- Mr ROTZOLL, Robert
Georg-August-University of Göttingen, Germany
“Surface-Initiated Radical Polymerizations from Silica Particles: From Polymer Loops to Propagation Kinetics”
4 November 2010
- Prof SHING, Tony K M
Department of Chemistry, The Chinese University of Hong Kong, Hong Kong, China, P. R.
“Carbocyclization of Carbohydrates: Syntheses of Bioactive Hydroxylated Cycloalka(e)nes–Calistegines, Gabosines and Pseudo-Acarviosin”
3 June 2010
- Assoc Prof SJOLANDER, Kimmen
Department of Bioengineering, College of Engineering, University of California Berkeley, USA
“New Methods for Functional Site Identification, Orthology Prediction and Multiple Sequence Alignment”
16 July 2010
- Prof STUDER, Armido
Westfälische Willhelms University, Münster, Germany
“Nitroxides in Synthesis, Polymer Chemistry and for the Modification of Surfaces”
21 May 2010
- Assoc Prof SUGIYAMA, Masashi
Graduate School of Information Science and Engineering, Tokyo Institute of Technology
“Density Ratio Estimation: A New Versatile Tool for Machine Learning”
24 November 2010
- Prof TAKEUCHI, Ichiro
University of Maryland, USA
“Magneto-electronics: Sensors and Other Device Applications of Multiferroic Thin Film Heterostructures.”
8 July 2010

Prof TAMM, Matthias
Institut für Anorganische und Analytische Chemie, Technische
Universität Carlo-Wilhelmina zu Braunschweig, Braunschweig,
Germany
“Early Transition Metal Complexes with NHC Ligands: Structures and Catalysis”
12 February 2010

Assist Prof TSUKAZAKI, Atsushi
Institute for Materials Research, Tohoku University, Sendai, Japan
“Quantum Transport Properties in Oxide Semiconductor MgZnO/
ZnO Hetero-structure”
10 May 2010

Dr UEDA, Akiko
Department of Physics, Ben Gurion University, Beer Sheva, Israel
“Electron Transport through a Single Molecular Junction with
Electron-Phonon Coupling”
13 July 2010

Assoc Prof VALANOOR, Nagarajan
University of New South Wales, Australia
“New Oxide Thin Films”
22 January 2010

Prof VARNEK, Alexandre
Faculty of Chemistry, University of Strasbourg, France
“Condensed Graphs of Reaction: An Efficient Way of Reactions
Mining”
28 October 2010

Assist Prof WU, Ji-shan
National Singapore University, Singapore
“Fused Polycyclic Aromatics: Synthesis and Opportunities in
Material Science”
22 October 2010

Prof WULFHEKEL, Wulf
Physikalisches Institut Universität Karlsruhe, Karlsruhe, Germany
“An Introduction to Scanning Tunneling Microscopy (STM) and
Magnetic Imaging with Spin-polarized STM”
4 November 2010
“Applications of STM beyond Imaging: Molecular Spintronics
and Magneto-electric Coupling”
9 November 2010

Assist Prof YAMAMOTO, Michihisa
Graduate School of Engineering, University of Tokyo, Tokyo,
Japan
“Electron Transport in Coupled Quantum Wires and Electronic
State in the One-dimensional Electron System”
22 February 2010

Assoc Prof YAMANAKA, Masamichi
Department of Chemistry, Faculty of Science, Shizuoka University,
Shizuoka, Japan
“Supramolecular Chemistry on Various Synthetic Organic
Molecules: From Cavitand to LMWG”
13 October 2010

Assist Prof YOSHIMOTO, Soichiro
Priority Organization for Innovation and Excellence, Kumamoto
University, Kumamoto, Japan
“Supramolecular Pattern of Various Organic Molecules on 2D
Bimolecular ‘Chessboard’ Consisting of Bottom-up Assembly of
Porphyrin and Phthalocyanines”
27 August 2010

Assoc Prof ZETTERLUND, Per B
The University of New South Wales, Sydney, Australia
“Radical Polymerization in Miniemulsion Based on Low-Energy
Emulsification”
8 June 2010