

List of Research Seminar Details at the Department of Chemistry, HKU (Year 2007)

Date	Time	Speaker	Institution	Title
1/3/2007	1700	Prof. Anthony W. Czarnik	Adjunct Visiting Professor, Department of Chemistry, University of Nevada, Reno, U.S.A.	Real-Time Glucose Monitoring Using a Tricorder
1/4/2007	1700	Prof. Anthony W. Czarnik	Adjunct Visiting Professor, Department of Chemistry, University of Nevada, Reno, U.S.A.	PUBLIC LECTURE -- We ar All Unique
1/23/2007	1700	Prof. Ray L. Frost	Inorganic Materials Research Program, School of Physical and Chemical Sciences, Queensland University of Technology, Australia	Recent Developments in Nanochemistry
1/24/2007	1700	Prof. Kenneth J. Shea	Department of Chemistry, University of California, Irvine	The Type 2 Interamolecular Diels-Alder Reaction: Methods and Applications
2/5/2007	1140	Prof. Yao Shouzhao	College of Chemistry and Chemical Engineering, Hunan University, Changsha, China	Peizeoelectric Quartz Crystal (PQC) Impedance Study
2/5/2007	1700	Prof. Aiwen Lei	Green Catalysis Institute, The College of Chemistry and Molecular Sciences, Wuhan University, China	Oxidative Cross-Coupling, a Novel Approach in the Bond Formation
2/8/2007	1700	Prof. Masaharu Nakamura	International Research Centre of Elements Sciences, Institute for Chemical Research, Kyoto University, Japan	Development of Iron-Catalyzed Selective Carbon-Carbon Bond Formation
3/1/2007	1700	Prof. Malcolm L.H. Green, FRS	Inorganic Chemistry Laboratory, University of Oxford, U.K. and Distinguished Visiting Professor, Department of Chemistry, HKU	The Agostic Bond
3/2/2007	1700	Prof. Malcolm L.H. Green, FRS	Inorganic Chemistry Laboratory, University of Oxford, U.K. and Distinguished Visiting Professor, Department of Chemistry, HKU	Save the World. Maybe!
3/6/2007	1700	Prof. Malcolm L.H. Green, FRS	Inorganic Chemistry Laboratory, University of Oxford, U.K. and Distinguished Visiting Professor, Department of Chemistry, HKU	Single World Carbon, Nanotubes
3/15/2007	1700	Prof. William D. Jones	Charles F. Houghton Professor of Chemistry, Department of Chemistry, University of Rochester, U.S.A.	Strong C-H and C-C Bond Cleavage Reactions Using Homogeneous Transition Metal Complexes
3/22/2007	1700	Prof. Andreas Kirschning	Institute of Organic Chemistry, Leibniz University, Hannover, Germany	Expanding the Frontiers of Organic Synthesis by Engineered and Biology-Based Concepts
3/22/2007	1700	Prof. Nicholas J. Long	Department of Chemistry, Imperial College London, South Kensington, London, United Kingdom	Graduate Lecture -- Quantum Dots
3/23/2007	1700	Prof. Show-An Chen	Chemical Engineering Department, Tsing Hua University, Hsinchu, Taiwan	Design of Conjugated Polymers as Host of Phosphor Guest for Highly Efficient Electrophosphorescence
3/26/2007	1700	Prof. Nicholas J. Long	Department of Chemistry, Imperial College London, South Kensington, London, United Kingdom	Redox-active Catalysis
4/3/2007	1700	Prof. Don McNaughton	School of Chemistry, Monash University, Australia	High Resolution Gas Phase Spectroscopy of Interstellar Species and Atmospheric Pollutant: PANH's and HFC's
4/11/2007	1700	Dr. Aldo Apponi	University of Arizona, Steward Observatory, U.S.A.	Microwave and Millimeter Wave Studies of Pre-Biotic Molecules and Associated Astronomical Observations
4/16/2007	1700	Prof. John E. Bercaw	Centennial Professor of Chemistry, Division of Chemistry and Chemical Engineering, California Institute of Technology, U.S.A.	Organometallic Catalysts for Making Polypropylenes: Controlling Stereochemistry and Polymer Microstructure
4/17/2007	1700	Prof. Zhenfeng Xi	College of Chemistry, Peking University, China	Cooperative Effect: Discover and Development of Organo-bimetallic Reagents
4/18/2007	1700	Prof. Todd B. Marder	Department of Chemistry, University of Durham, U.K.	Transition Metal Catalyzed Borylation of C-H Bonds
4/18/2007	1830	Prof. John E. Bercaw	Centennial Professor of Chemistry, California Institute of Technology, U.S.A.	Rayson Huang Visiting Lectureship in Chemistry -- Selective Catalytic Oxidations of Methane: Keys to Effective Use of Natural Gas
4/19/2007	1700	Prof. John E. Bercaw	Centennial Professor of Chemistry, California Institute of Technology, U.S.A.	Olefin Polymerization and Oligomerization with Soluble Transition Metal Catalysis
4/20/2007	1700	Prof. Masahiro Yamashita	Department of Chemistry, Tohoku University, Japan	Multi-Functional Nano-Sciences of Advanced Metal Complexes: Single-Chain Quantum Magnets, Photo-Induced Switching of Quantum Magnets, Gigantic Third Optical Nonlinearity and Direct Observation of Soliton by
4/30/2007	1700	Prof. J Fraser Stoddart	Centennial Professor of Chemistry, California Institute of Technology, U.S.A.	Molecular and Supramolecular Nanovalves
5/11/2007	1700	Prof. Xiaoming Liu	Department of Chemistry, Nanchang University, Nanchang, P.R. China	Nature Inspired Synthetic Model Compounds for Iron-only Hydrogenase
5/17/2007	1700	Prof. Hou Jianguo	Hefei National Laboratory for Physical Sciences at the Microscale University of Science and Technology of China	HKU Strategic Research Theme on Organic Optoelectronics and Department of Chemistry-- Characterization of Molecules and their Assemblies
5/18/2007	1700	Prof. Hou Jianguo	Hefei National Laboratory for Physical Sciences at the Microscale University of Science and Technology of China	HKU Strategic Research Theme on Organic Optoelectronics and Department of Chemistry-- Electronic Structure and Transport Properties
6/8/2007	1700	Prof. Paul S. Weiss	Department of Chemistry, Pennsylvania University, U.S.A.	Designing, Measuring and Controlling Molecular and Supramolecular-Scale Properties for Molecular Devices
6/13/2007	1700	Dr. David Zhigang Wang	Department of Chemistry, Columbia University, U.S.A.	Part I: Conservation of Helical Asymmetry: An Electronic Theory for Molecular Chirality and Chiral Interactions Part II: Synthesis of <i>Ecteinascidin</i> -743 and Helicenes
6/14/2007	1400-1600	Dr. David Zhigang Wang	Department of Chemistry, Columbia University, U.S.A.	Teaching Presentation 1. Organic Synthesis and 2. Asymmetric Catalysis
6/26/2007	1700 start fm 1630	Dr. Steve Jianrong Zhou	Department of Chemistry, University of Illinois at Urbana-Champaign, U.S.A.	Part I: Cross-coupling Reactions of Unactivated Alkyl Electrophiles Part II: N-H Bond Activation of Amines by

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6/27/2007	1600-1700 start fm 1530	Dr. Steve Jianrong Zhou	Department of Chemistry, University of Illinois at Urbana-Champaign, U.S.A.	Teaching Presentation Asymmetric Synthesis: Fundamental Principles and its Application in Industry
6/27/2007	1700	Prof. LI Deng	Department of Chemistry, Brandeis University, Waltham, MA 02454, U.S.A.	Development, Elucidation and Application of Catalytic Asymmetric Reactions
6/28/2007	1700 start fm 1630	Dr. Jiangyun Wang	Department of Chemistry, The Scripps Research Institute, La Jolla, U.S.A.	Protein Engineering: Probing the Chemistry of Life Process
6/29/2007	1500-1600 start fm 1430	Dr. Jiangyun Wang	Department of Chemistry, The Scripps Research Institute, La Jolla, U.S.A.	Teaching Presentation The Chemistry of Olfaction
7/20/2007	1700	Prof. Pierre Vogel	Institute of Sciences and Chemical Engineering, Swiss Federal Institute of Technology Lausanne, Lausanne, Switzerland	Glycomimics and the Search for New Anti-cancer Agents
8/13/2007	1700	Prof. Bingcheng LIN	Dalian Institute of Chemical Physics, CAS, Dailin, China	Lab on chip: potential platform for the point of care and drug screening
8/14/2007	1130-1230	Prof. King Kuok Mimi Hii	Department of Chemistry, Imperial College, London	Functionalisation of Carbon-Carbon Double Bonds by Catalysis
8/16/2007	1700	Prof. Kenton Whitmire	Department of Chemistry, Rice University, Houston, U.S.A.	Organometallic and Coordination Chemistry of the Heavy Main Group Elements: Lessons for Materials and Biological Applications
9/10/2007	1700	Prof. Dr. Xinxhe BAO	Dalian Institute of Chemical Physics, CAS, Dailin, China	Catalysis with Carbon Nanotube: A Novel Chemistry of the Confined Nano-Systems
9/11/2007	1700	Prof. Koichi Narasaka	Division of Chemistry and Biological Chemistry School of Physical and Mathematical Sciences Nanyang Technological University, Singapore	Synthesis of (-) - Sordarin
17/09/2007 (Cancel on 14/08/2007)	1700	Mr. N.A. Raftery	Faculty of Sciences, Queensland University of Technology, Brisbane QLD 4000, Australia	Mirror Based Asymmetric Parallel Beam Geometry for X-ray Diffraction Analysis of Thin Samples
18/09/2007 (original Sep 17)	1700	Prof. John Z.H. Zhang	Department of Chemistry, New York University, New York, U.S.A.	Classical and Quantum Mechanical Studies of Protein Interactions
9/20/2007	1700	Dr. Steven J. Ray	Department of Chemistry, Indiana University, Bloomington IN47405	Instrumentation for Metallomics Analysis: New Opportunities for Atomic Analytical Spectroscopy
9/27/2007	1600	Dr. Samantha Tang	Public Awareness Scientist, School of Chemistry, University of Nottingham, Nottingham, United Kingdom	Chemistry for Everyone
9/28/2007	1700	Prof. Gary M. Hieftje	Distinguished Professor, Robert & Marjorie Mann Chair in Chemistry, Department of Chemistry, Indiana University	New Sources and Spectrometers for Chemical and Bioscience Analysis
10/4/2007	1700	Dr. Wei-qiao Deng	Division of Chemistry and Biological Chemistry, School of Physical and Mathematical Science, Nanyang Technology University, Singapore	Rational Design of Active Molecules Applied in Hydrogen Economy and Organic Electronics
10/9/2007	1700	Prof. Zeev Gross	Reba May & Robert D. Blum Professor of Chemistry, Schulich Faculty of Chemistry Technion - Israel Institute of Technology	Iron Porphyrins and Corroles as Superior Catalysts for the Reactions of Nucleophilic Substrates with Carbenoids, Synthetic and Mechanistic Mechanistic Aspects
10/10/2007	1400-1600	Prof. Masato Kitamura	Research Centre for Materials Science, Nagoya University, Nagoya, Japan	Goodwin-Lions-type N4 Ligand -- An Application to Asymmetric Hydrogenation
10/10/2007	1700	Prof. Zeev Gross	Reba May & Robert D. Blum Professor of Chemistry, Schulich Faculty of Chemistry Technion - Israel Institute of Technology	Combating Reactive Oxygen and Nitrogen Species by Corrole Metal Complex, Including Chemical, in Vitro and Vivo Systems
10/11/2007	1700	Prof. Fumihiko Yoshimura	Division of Chemistry, Graduate School of Science, Hokkaido University, Japan	Total Synthesis of the Zoanthamine Alkaloids, Zoanthamine and Norzoanthamine
10/17/2007	1700	Ms. Anne F. Grobler	Dept of Pharmaceutics, School of Pharmacy Potchefstroom Campus, North-West University Potchefstroom, South Africa	AoE: Institute of Molecular Technology for Drug Discovery and Synthesis: Enhancement of the Action
10/18/2007	1700	Prof. Kyu-Sung Jeong	Department of Chemistry, Yonsei University, Seoul, Korea	Indole-based Anion Receptors
10/25/2007	1700	Dr. Sandrine Py	National Center for Scientific Research (CRNS) & the University Joseph Fourier, Grenoble, France	Reversing the Electrophilicity of Nitrones: SmI ₂ -induced umpolung of the C=N Bond
11/5/2007	1700	Prof. Jingyue Ju	Professor & Head of DNA Sequencing & Chemical Biology Director, Centre of Genome Technology & Biomolecular Engineering, Columbia University, U.S.A.	Deciphering the Genome with Chemistry and Molecular Engineering
11/6/2007	1700	Prof. Olaf. G. Wiest	Department of Chemistry and Biochemistry, University of Notre Dame, U.S.A.	Computer Aided Molecular Design: From Proteins to Transition States
11/12/2007	1700	Prof. Ruben Abagyan	Department of Molecular Biology, The Scripps Research Institute, U.S.A.	Structure Based Approaches to Drug Discovery
11/16/2007	1700	Prof. Dr. Ulrich Siemeling	University of Kassel, Germany	Enjoying Chemistry with Functionalised Ligands: From Chelate Complexes to Smart Surfaces
11/20/2007	1700	Dr. Jan Van Esch	Laboratory for Organic Chemistry, Stratingh Institute, University of Groningen, Groningen, The Netherlands	Orthogonal Self-assembly of Hydrogelators and Surfactants: Towards New Multicompartment Nano-architectures
11/28/2007	1700	Prof. Hua-Zhong (Hogan) Yu	Department of Chemistry, Simon Fraser University, Burnaby, Canada	Digitized Bioanalytical Chemistry: Reading Disc-based Bioassays with Standard Computer Drives
12/4/2007	1700	Prof. Ruikang Tang	Department of Chemistry, Zhejiang University P.R. China	The Roles of Nano Calcium Phosphate in Biomineralization and Biomedical Materials
12/5/2007	1700	Prof. Zhi-Xiang Yu	Department of Chemistry, Peking University, China.	Joining Forces of Computation and Organic Synthesis to Discover New Chemistry: Theoretical and Experimental Studies of

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12/6/2007	1700	Prof. Dr. Hartmut Yersin	Institut für Physikalische und Theoretische Chemie Universität Regensburg, Germany	Spin-orbit Coupling Routes and OLED Performance - Studies of Blue-light Emitting Ir(III) and Pt(II) Complex
12/12/2007	1700	Prof. Sunngak Kim	Department of Chemistry, Advanced Institute of Science and Technology, Daejeon, Korea	Search for New Carbon-Carbon Bond Formations
12/14/2007	1700	Prof. Qin Jianhua	Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian, China	Microfluidics and its Biomedical Applications
12/20/2007	1500	Prof. Yunjie Xu	Department of Chemistry, University of Alberta, Edmonton, AB, Canada, T6G 2G2	Exploring Chirality and Chiral Recognition Using Experimental Spectroscopic and ab Initio Methods
12/20/2007	1700	Prof. Wolfgang Jäger	Department of Chemistry, University of Alberta, Edmonton, AB, Canada, T6G 2G2	Ratational Dynamics of Ultracold Molecules in Helium Clusters and Droplets