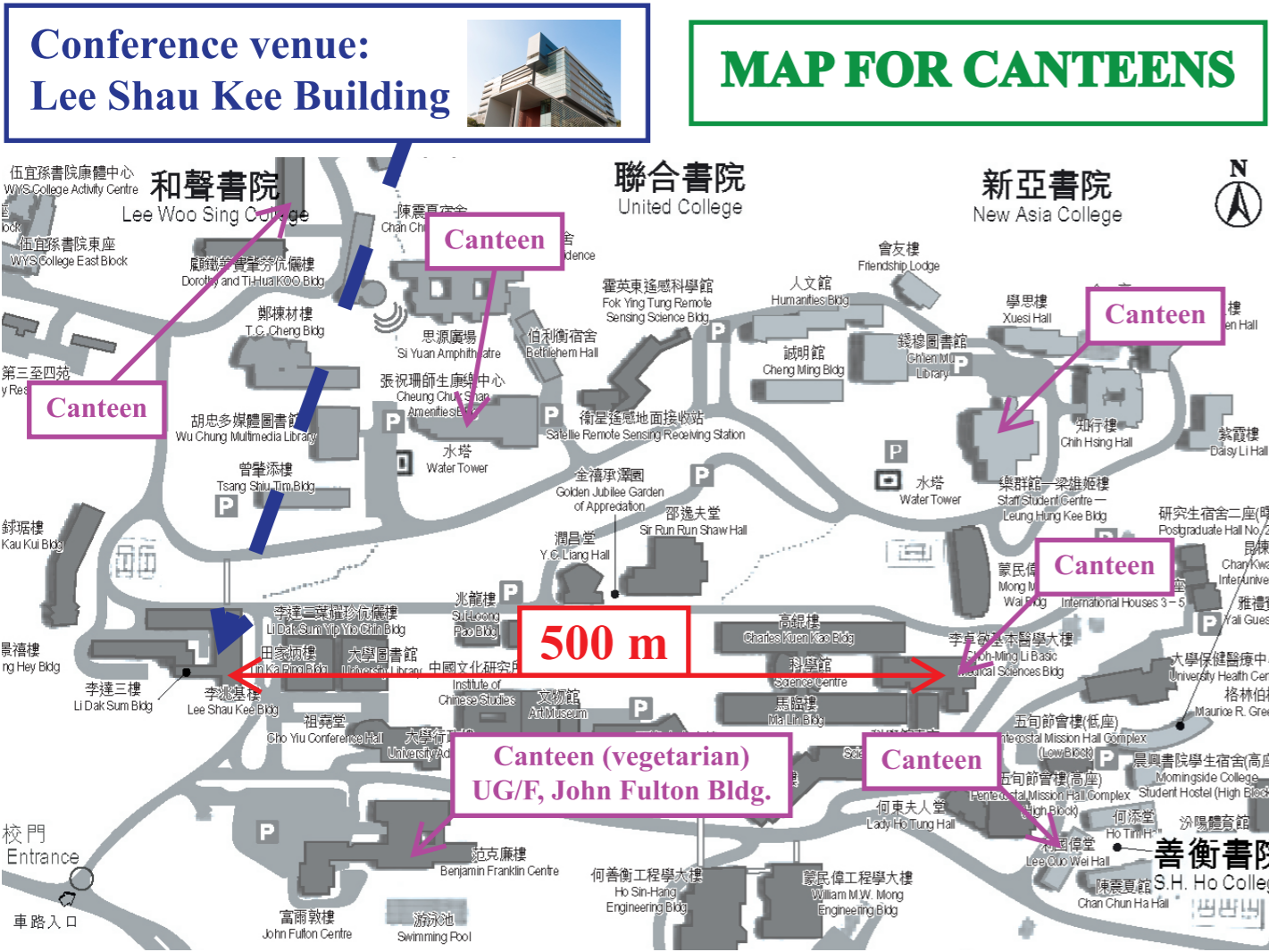
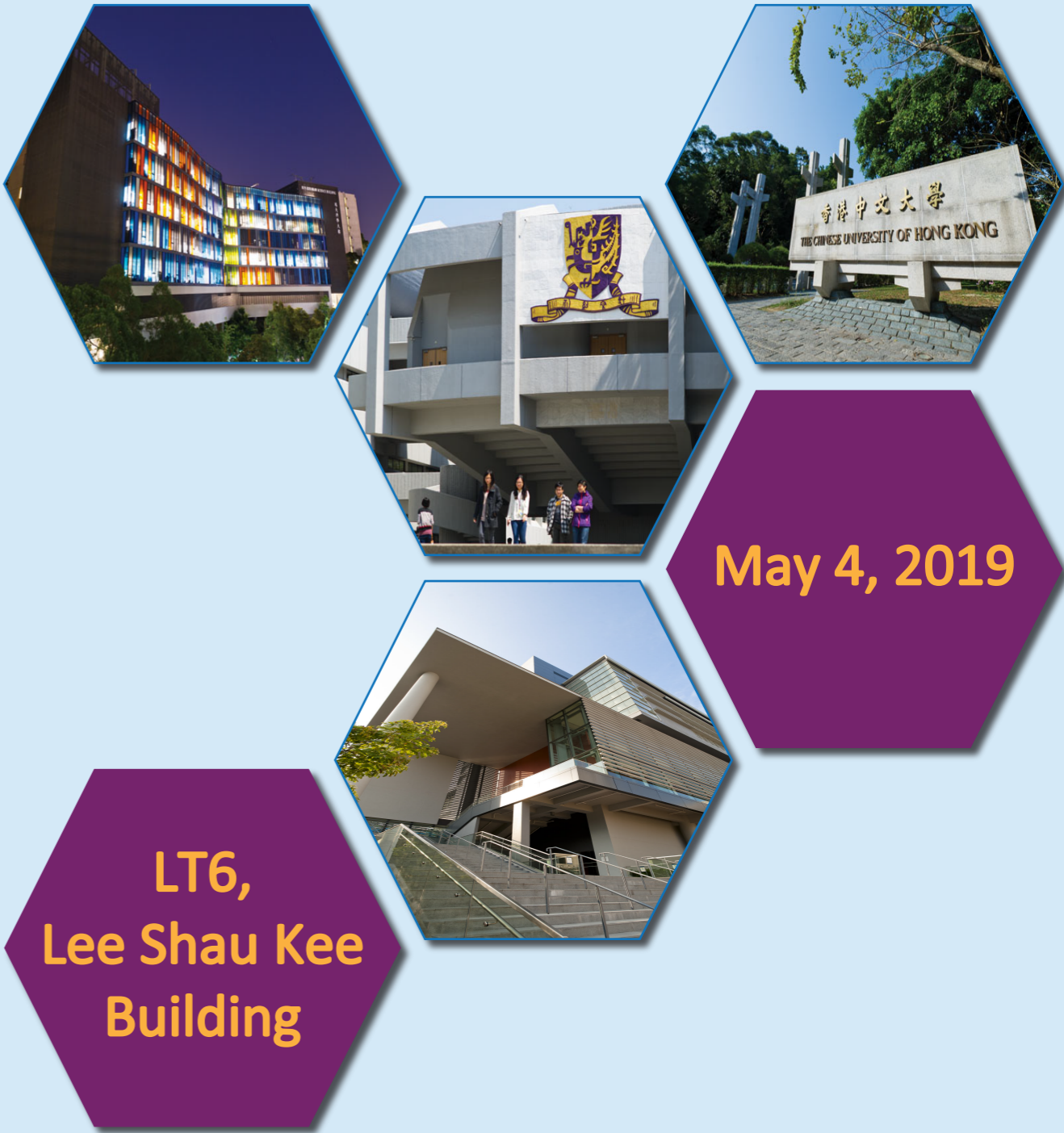


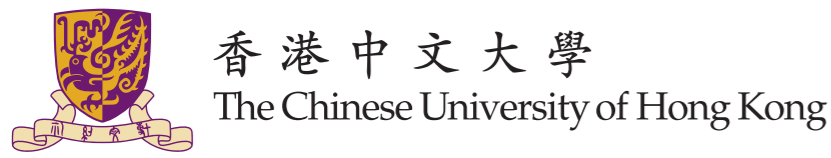
Location Map



THE 26TH SYMPOSIUM ON CHEMISTRY POSTGRADUATE RESEARCH IN HONG KONG



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Keynote Lecture

Why Do Weaker Metal-Carbon Bonds Lead to More Stable Complexes? What's Going On?

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Over the past 20 years substantial progress has been made in the understanding of the activation of C-H and other strong bonds by reactive metal complexes in low oxidation states. This talk will present an overview of the use of pentamethylcyclopentadienyl and trispyrazolylborate rhodium complexes for the determination of thermodynamic factors that influence the activation of arene and alkane C-H bonds. Insights into bond strengths, kinetic and thermodynamic selectivities, and the nature of the intermediates involved will be examined. The influence of substituent effects on the thermodynamics of bond activations will also be analyzed. Trends in the effects of ligand donor strength on C-H activation will be examined. Recent work in acceptorless dehydrogenation reactions will also be presented. A novel route for conversion of ethanol to butanol will also be presented.

Biography

William D. Jones was born in Philadelphia, Pennsylvania, in 1953, and was inspired to work in inorganic chemistry as an undergraduate researcher with Mark S. Wrighton at Massachusetts Institute of Technology (BS, 1975). He obtained a Ph.D. degree in chemistry at California Institute of Technology (1979), working with Robert G. Bergman and completing his final year at Berkeley. He moved to the University of Wisconsin as an NSF postdoctoral fellow with 2004 ACS President Chuck Casey, and in 1980 accepted a position as Assistant Professor at the University of Rochester. He was promoted to Associate Professor in 1984 and Professor in 1987, and is now the Charles F. Houghton Professor of Chemistry. Professor Jones has received several awards, including an Alfred P. Sloan Research Fellowship (1984), a Camille & Henry Dreyfus Foundation Teacher-Scholar Award (1985), a Royal Society Guest Research Fellowship (1988), a Fulbright-Hays Scholar (1988), a John Simon Guggenheim Fellow (1988), the ACS Award in Organometallic Chemistry (2003), and an ACS Cope Scholar Award (2009). He is a Fellow of the American Association for the Advancement of Science and the American Chemical Society. He also has served as an Associate Editor for J. Am. Chem. Soc. since 2003. Professor Jones' research interests include organometallic research in strong C-X bond cleavage, catalysis, model studies, mechanisms, kinetics, thermodynamics, and synthetic applications.

Scientific Program

Time	Event
08:45 – 09:15	Mounting of Posters
09:15 – 09:30	Opening Ceremony - Welcome speech by PVC, Prof. Wai-Yee Chan - Welcome speech by Interim Dean of Science, Prof. Zuowei Xie
09:30 – 10:30	Keynote Lecture by Prof. William D. Jones
10:30 – 11:00	Group Photo and Tea Reception
11:00 – 11:25	Activation of Functionalized Alkynes for Metalated Heterocyclic Complexes and Metallacycles <i>Chi-Fung Yeung, City University of Hong Kong</i>
11:25 – 11:50	Boron(III) Carbazosubphthalocyanines: Core-Expanded Antiaromatic Boron(III) Subphthalocyanine Analogues <i>Yu-Man Chan, The Chinese University of Hong Kong</i>
11:50 – 12:15	Novel Design of Amphotericin B-Conjugated Red-Emitting Carbon Dots Against <i>Candida albicans</i> Biofilms <i>Regina Huang, Hong Kong Baptist University</i>
12:15 – 14:00	Lunch
14:00 – 15:15	Poster Session
15:15 – 15:40	Selective Recognition and Detection of Catecholamines in Living Cells <i>Ka-Yan Tong, The University of Hong Kong</i>
15:40 – 16:05	AIE-Based Organic-Inorganic Integrated Nanosystems for Multimodality Bioimaging and Therapeutics <i>Xuewen He, The Hong Kong University of Science and Technology</i>
16:05 – 16:30	Ruthenium(II)-Catalyzed Enantioselective γ-Lactams Formation by Intramolecular C – H Amidation of 1,4,2-Dioxazol-5-ones <i>Chun-Ming Chan, The Hong Kong Polytechnic University</i>
16:30 – 17:00	Closing Ceremony & Award Presentation
17:00 – 17:30	Dismounting of Posters