

UC San Diego x Kobe University Joint Research Kick-off Symposium

Date: Thursday, February 5, 2015
 Venue: Rokko Hall (Centennial Hall), Rokkodai Campus, Kobe University (Symposium)
 Restaurant "Sakura," Academica Hall, Rokkodai Campus, Kobe University (Reception)

9:10 — **Registration** * UC San Diego
** Kobe University

MC: Prof. Yukari Mitsuhashi **

9:30 — 9:40 **Opening Remarks** Executive Vice-President
Hiroshi Takeda **

9:40 — 9:50 **Congratulatory Remarks** Mr. Keith Lommel
Consul for Public Affairs
Director, Kansai American Center

Session 1:
 9:50 — 11:20 Research Collaboration with the Center for Extreme Events Research, UC San Diego Prof. J. S. Chen *
Prof. Atsushi Iizuka **

9:50 — 10:20 **Session 1-1:**
 Simulation-based Disaster Prediction and Damage Assessment Prof. J. S. Chen *

10:20 — 10:40 **Session 1-2:**
 Application of Soil/Water/Air Coupled F.E. Simulation to Predict Seepage and Deformation on Sandy Slope Prof. Katsuyuki Kawai **
Prof. Atsushi Iizuka **

10:40 — 11:00 **Session 1-3:**
 Pseudo-global Warming Experiment and its Application to the Flood Impact Assessment Prof. Kenichiro Kobayashi **

11:00 — 11:20 **Session 1-4:**
 Economic Damage of a Natural Disaster: A Computable General Equilibrium Study Prof. Atsushi Koike **

11:20 — 12:10 **Session 2:**
 Research Collaboration with San Diego Supercomputer Center Prof. Amitava Majumdar *
Prof. Toshiaki Omori **

11:20 — 11:50 **Session 2-1:**
 Brief Overview of High Performance Computing at SDSC Prof. Amitava Majumdar *

11:50 — 12:10 **Session 2-2:**
 Extracting Spatiotemporal Dynamics of Neural Systems: Computational and Statistical Approach Prof. Toshiaki Omori **

12:10 — 13:15 **Lunch Break**

13:15 — 14:00 **Special Information Session** on "Study and Research in the USA" (in Japanese) Ms. Yumi Nishibu
EducationUSA Adviser, Kansai American Center
Prof. Tomohiro Miki **

13:15 — 13:40 **Special Session 1:**
 Studying in the USA 101 Ms. Yumi Nishibu

13:40 — 13:50 **Special Session 2:**
 My Days of Research Abroad at the University of California, San Diego Prof. Tomohiro Miki **

13:50 — 14:00 Questions and Answers

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14:00 – 15:30	Session 3: Research Collaboration with the Department of Chemistry and Biochemistry / School of Medicine and Revelle College, UC San Diego	Prof. Edward Dennis * Prof. Yasuhito Shirai **
14:00 – 14:30	Session 3-1: Introduction (Importance of Lipids in Life Science and Issues to be Solved)	Prof. Edward Dennis *
14:30 – 15:10	Session 3-2-1: Outline (including Future Research Plans)	Prof. Yasuhito Shirai **
	Session 3-2-2: Role of Sphingosine-1-phosphate in PKC Activation (Functional Correlation between PKC and Sphingosine Kinase)	Prof. Yasuhito Shirai **
	Session 3-2-3: Function of a Lipid Metabolizing Enzyme, DGKtheta	Prof. Yasuhito Shirai **
15:10 – 15:30	Session 3-2-4: Substrate Specificity of PLA2 and DGK Using Purified Full Length Protein and Mass-spec.	Prof. Edward Dennis *
15:30 – 15:50	Coffee Break	
15:50 – 17:20	Session 4: Research Collaboration with the Department of Structural Engineering, Jacobs School of Engineering, UC San Diego	Prof. P. Benson Shing * Prof. Hideo Fujitani **
15:50 – 16:30	Session 4-1-1: The NEES Large High-performance Outdoor Shake Table at UC San Diego	Prof. P. Benson Shing *
	Session 4-1-2: Large-Scale Experimental and Computational Studies on Seismic Performance of Concrete and Masonry Structures	Prof. P. Benson Shing *
16:30 – 17:00	Session 4-2: Earthquake engineering research on seismic isolation and hybrid simulation	Prof. Gilberto Mosqueda *
17:00 – 17:10	Session 4-3: Introduction of Shaking Table and High-performance actuators	Prof. Yoichi Mukai **
17:10 – 17:20	Session 4-4: Image Based Detection for Concrete Fracture	Prof. Tomohiro Miki **
17:20 – 17:30	Closing Remarks	Executive Vice-President Noriyuki Inoue **
18:15 –	Reception	