



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

-LANDSCAPE OF APPLIED MATHEMATICS IN ENERGY PROBLEM-
I²CNER INTERNATIONAL WORKSHOP
INITIATIVE ON APPLIED MATH FOR ENERGY

DATE: FRIDAY, FEBRUARY 2, 2018

TIME: 9:30 AM- 5:30 PM

VENUE: SEMINAR ROOM 3213, CENTER ZONE BLDG. 3

Time	Speaker	Affiliation	Title
9:30 - 9:35	Kaname Matsue	IMI / I ² CNER, Kyushu University	Opening Address
9:35 - 10:15	Kong Joo Shin	Dept. of Urban and Environmental Engineering, Kyushu University	Liberalisation of retail electricity market: Household switching behaviour and consumer satisfaction in Japan
10:25 - 11:10	Atsushi Kawamoto	Toyota Central R&D Labs., Inc.	Topology Optimization in Multiphysics Problems
11:20 - 12:00	Hiroaki Watanabe	Dept. of Mechanical Engineering, Kyushu University	Recent R&D on Combustion Simulation for Energy Industry
12:00-1:00	Lunch		
1:00 - 1:45	Ippei Obayashi	AIMR, Tohoku University	Theory and Application of persistent homology
2:00 - 2:45	Amgad Elgowainy	Energy Systems Division, Argonne National Laboratory	Computational Fluid Dynamics Applied to Methods of Fueling Hydrogen Fuel Cell Vehicles
3:05 - 3:45	Jun'ichi Murata	Dept. of Electrical Engineering, Kyushu University	Maths-ish techniques in electrical power management
3:55 - 4:40	Daniel Packwood	iCeMS, Kyoto University	Mathematical modeling and dissimilarity analysis for nanomaterial assembly
4:50 - 5:30	Kei Hirose	IMI, Kyushu University	Statistical analysis of energy consumption data
7:15-	Dinner at Tenjin		