



INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

- CHALLENGES IN MEMBRANE SCIENCE -
I²CNER INTERNATIONAL WORKSHOP
CO₂ CAPTURE AND UTILIZATION DIVISION

DATE: FRIDAY, FEBRUARY 2, 2018

TIME: 1:00 PM-5:25 PM

VENUE: SEMINAR ROOM 3105-6, CENTER ZONE BLDG. 3

| Time | Speaker | Affiliation | Title |
|-----------|---------------------------|--|---|
| 1:00-1:10 | Prof. Shigenori Fujikawa | I²CNER, Kyushu University | <Opening Remarks> |
| 1:10-2:00 | Prof. Jong Hak Kim | Yonsei University | POEM-based graft copolymers: Synthesis, Nanostructure and Applications |
| 2:00-2:35 | Prof. Masakoto Kanezashi | Hiroshima University | Pore size controllability and gas permeation properties of sol-gel derived amorphous silica membranes |
| 2:35-3:10 | Prof. Masamichi Nishihara | Kyushu University | Charge-transfer complex hybrid films as a ionic conductive membrane for fuel cell application |
| 3:10-3:30 | Coffee break | | |
| 3:30-4:00 | Prof. Satoshi Kodama | Tokyo Institute of Technology | Process analysis for CO ₂ capture technology |
| 4:00-4:30 | Dr. Masahiro Seshimo | Research Institute for Innovative Technology for the Earth | Inorganic membranes and its applications |
| 4:30-4:55 | Dr. Roman Selyanchyn | I²CNER, Kyushu University | Creation of size sieving domains in polydimethylsiloxane for higher selectivity and permeability gas separation membranes |
| 4:55-5:20 | Prof. Ikuo Taniguchi | I²CNER, Kyushu University | Polymeric membranes for negative carbon emission |
| 5:20-5:25 | Prof. Shigenori Fujikawa | I²CNER, Kyushu University | <Closing Remarks> |