

Plenary Speaker of the
7TH INTERNATIONAL SYMPOSIUM ON ENERGY



Katsumi Kaneko

Title: Distinguished University Professor

Web: <http://www.shinshu-u.ac.jp/faculty/engineering/kaneko-group>

Education:

B.T. In Applied Chemistry from Yokohama National University, 1969

M.S. In Chemistry (Physical Chemistry) from The University of Tokyo, 1971

Dr. Sci. Faculty of Science, The University of Tokyo, 1977

Thesis title: Electrical Properties and Defect Structures of Iron Hydroxide Oxide Colloids
(which was carried out at Chiba University)

Professional Experience:

04/1972-07/1992 Assistant professor and associate professor, Chiba University
07/1992-03/2010 Professor, Department of Chemistry, Chiba University
04/2010-present Distinguished professor, Shinshu University

Awards:

1998 Award by Carbon Society of Japan
1999 Award by Chemical Society of Japan
2007 Charles Petinos Award by American Carbon Society
2011 Adsorption Society Award by Japan Adsorption Society
2011 Fellow of Chemical Society of Japan
2013 Fellow of Royal Society of Chemistry, Fellow of International Adsorption Society

Publications:

1. Partial breaking of the Coulombic ordering of ionic liquids confined in carbon nanopores
R.Futamura, T. Iiyama, Y.Takasaki, Y. Gogotsi, M. J. Biggs, M. Salanne, J. Ségalini, P. Simon, K. Kaneko, *Nature Materials*, in press.
2. Efficient storage mechanisms for building better supercapacitors, M. Salanne B. Rotenberg, K. Naoi, K. Kaneko, P.-L. Taberna, C. P. Grey, B. Dunn, P. Simon,



Nature Energy, **1**, Article number: 16070 (2016) doi:10.1038/nenergy.2016.7

3. Methane hydrate formation in confined nanospace can surpass nature, M. E. Casco, J. Silvestre-Albero, A. J. Ramirez-Cuesta, F. Rey, J. L. Jorda, A. Bansode, A. Urakawa, I. Pera, M. Martinez-Escandel, K. Kaneko, F. Rodriguez-Reinoso, *Nature Comm.*, **6**, 6432-6440 (2015)
4. Graphitic nanopores: Water capture in carbon cuboids, K. Kaneko, *Nature Chem.* **7**, 194-196 (2015).
5. Conducting linear chains of sulphur inside carbon nanotubes, T. Fujimori, A. Morelos-Gomez, Z. Zhu, H. Muramatsu, R. Futamura, K. Urita, M. Terrones, T. Hayashi, M. Endo, S. Y. Hong, Y. C. Choi, D. Tomanek, K. Kaneko, *Nature Comm.* **4**, 2162-2169(2013).

