

**The 5th Symposium on Challenges for
Carbon-based Nanoporous Materials
5th CBNM2016-NAGANO**

February 22nd, 2017, Nagano

We organized CBNM four times since 2007. This time, we will organize one-day symposium for enhancement for mutual scientific interaction among young scientists who have been studying adsorption, carbon, and nanoporous materials. I encourage you to join a scientific breakthrough activity.

Symposium organizer, Professor Katsumi Kaneko FRSC
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Symposium site: Rental Lab2(2F) SASTec Building,
Engineering Campus (Wakasato, Nagano)
Shinshu University

Program

- 10:00 am Opening by Katsumi Kaneko, Shinshu University CEES
10:10-10:30 Radovan Kukobat, Shinshu University CEES
 “Highly stable SWCNT inks for sustainable technologies”
10:30-11:10 Ryusuke Futamura, Shinshu University CEES
 “Noncoulombic structure of ionic liquids confined in carbon nanopores”
11:10-11:40 Fernando Vallejos-Burgos, Shinshu University CEES
 “Concerted nanowindow-rim motion mediated gas separation”
11:40-12:10 Sanjeev Kumar, Shinshu University CEES
 “Low temperature oxygen isotopes separation”

12:10-13:40 Lunch

13:40-14:20 Hirotomo Nishihara, Tohoku University “Elastic carbon sponges”
14:20-15:00 John Landers, Rutgers, The State University of New Jersey
 “Tuning of layered materials”
15:00-15:40 Jin Miyawaki, Kyushu University “New type of carbon aided heat-pump”

15:40-16:10 Break

16:10-16:50 Carla de Tomas, Curtin University “Structure elucidation of CDC”
16:50-17:30 Tomonori Ohba, Chiba University “Water confined in carbon nanotube”
17:30-17:40 Katsumi Kaneko, Shinshu University “Current research activities”

18:30-20:30 Symposium dinner

Here all lecture titles are tentative.