

Creation of Novel Molecules and Molecular Assemblies

Date: June 10 (Sat) 2017

Venue: Rhiga Royal Hotel (Osaka)

Organizers:

Dr. Yoshito Tobe (The Institute of Scientific and Industrial Research, Osaka University)

Dr. Keiji Hirose (Graduate School of Engineering Science, Osaka University)

Support:

JSPS KAKENHI



Purpose of the Workshop

Creation of exotic organic molecules and molecular assemblies with novel molecular structure and electronic configurations are central to the development of unconventional materials functions, which are of increasing demand. Such research work, yet deeply relies on capability of organic synthesis, is interdisciplinary in nature and is driven by cooperation, and sometimes competition, between researchers of not only closely related but also different backgrounds, disciplines, or geographic locations, as organizers have experienced. The organizers aim to further vitalize such activities by this workshop.

Program

13:30-13:40 Opening Remarks

13:40-14:10 Professor Michael M. Haley (University of Oregon)

[It Takes Alkynes to Make a World – Adventures with Graphynes, Annulenes and Indenofluorenes.](#)

14:10-14:40 Professor Yves Rubin (University of California, Los Angeles)

[Nanoribbons and Nanotubes through Directed Molecular Assembly and Stitching](#)

14:40-15:00 Break

15:00-15:30 Professor Steven De Feyter (KU Leuven)

[Nanopatterning Graphite and Graphene: A Molecular Approach](#)

15:30-16:00 Professor Dieter Schlüter (ETH Zürich)

[Organic Chemistry Approach to 2D Polymer](#)

16:00-16:30 Closing Remarks and Group Photo