

Call for paper



2nd International Symposium on Self-Organizing Molecular Semiconductors

27th-28th February 2014, Tokyo

Since the discovery of electronic conduction in liquid crystals in 1990s, which lead to the new recognition that the liquid crystals were a new class of quality organic semiconductors, i.e., a Self-Organizing Molecular Semiconductors (SOMS), their basic researches have been carried out to establish molecular design for high mobility materials, to understand their unique electrical properties, and to find their best use in device applications.

In spite of high potential of liquid crystals as an organic semiconductor (SOMS), there had been no appropriate place to meet the people who are interested in SOMS, share the latest results, and discuss the common interests on it, whose one of the reasons is due to the interdisciplinary research field between the liquid crystal and the organic semiconductor.

In 2012 of the 20 years anniversary of the first establishment of electronic conduction in liquid crystals, the first international symposium on SOMS was held in Tokyo with the support of Japan Science and Technology Agency (JST), and 18 oral papers and 30 posters were presented and 111 attendees enjoyed the symposium.

The 2nd international symposium is arranged to hold in February 27 and 28 in Tokyo under the background of increasing attention to the SOMS especially for organic field effect transistors and solar cells. In this symposium, the leading researchers on SOMS will give a talk on the latest results on synthesis, theoretical approach for understanding of charge transport, characterization of electrical properties, materials processing, and device applications of liquid crystals.

I hope this symposium provides a good opportunity to present a new result on SOMS and to discuss the common interests on it, leading to further development of science and device applications of SOMS.

Jun-ichi Hanna, Chair of the 2nd SOMS

[URL] <http://www.isl.titech.ac.jp/~hanna/soms/index.html>

[Topics] Liquid crystalline organic semiconductors

Material design and synthesis, Characterization of LC and charge transport properties, Modeling and theoretical analysis of charge transport, Material processing for device fabrications, Device applications

[Tentative invited speakers] Under negotiation and to be announced at website.

Prof. Denis Andrienko (Max Planck Institute, Germany)
Prof. Andre-Jean Attias (Pierre and Marie Curie University - Paris 6, France)
Prof. Masahiro Funahashi, (Kagawa University, Japan)
Prof. Tatsuo Hasegawa (AIST, Japan)
Dr. Yun Ho Kim (Korea Research Institute of Chemical Technology, Korea)
Prof. Jinsang Kim (University of Michigan, USA)
Prof. Shu Seki (Osaka University, Japan)
Prof. Takuma Yasuda (Kyushu University, Japan)

[Paper Submission for oral and poster presentations] Deadline: January 31, 2014

One page abstract (Template: <http://www.isl.titech.ac.jp/~hanna/soms/abstract.html>) should be sent by e-mail to soms@isl.titech.ac.jp before January 31, 2014

[Registration fee] Free.

All people who attend this symposium are requested to register on symposium web site, <http://www.isl.titech.ac.jp/~hanna/soms/registration.html> by February 21, 2014.

[International Advisory Committee]

Prof. Andre-Jean Attias (Pierre and Marie Curie University - Paris 6, France)
Prof. Yves Geerts (University Libre Bruxelles, Belgium)

Prof. Jun-ichi Hanna (Tokyo Institute of Technology, Japan)
 Prof. Bernard Kippelen (Georgia Institute of Technology, USA)
 Prof. Iain McCulloch (Imperial College London, UK)
 Prof. Klaus Müllen (Max Planck Institute, Germany)
 Prof. Mary O'Neil (University of Hull, UK)
 Prof. Masanori Ozaki (Osaka University, Japan)
 Dr. Yo Shimizu (Advanced Industrial Science and Technology, Japan)
 Prof. Claudio Zannoni (University of Bologna, Italy)

[Sponsors]

Japan Science and Technology Agency (JST)

[Co-sponsor]

The Chemical Society of Japan, The Imaging Society of Japan, Japanese Liquid Crystal Society, The Society of Photography and Imaging of Japan, Imaging science and engineering laboratory (Tokyo Institute of Technology).

[Venue]

Easy access from Ookayama station in 1 min.
 Kuramae Hall, Tokyo Tech Front
 (Kuramae Kaikan),
 2-12-1, Ookayama, Meguro-ku,
 Tokyo, 152-0033, Japan

[Contact]

Jun-ichi Hanna
 Imaging science and engineering laboratory,
 Tokyo Institute of Technology
 soms@isl.titech.ac.jp
 TEL: +81-45-924-5176, FAX: +81-45-924-5175

