

International workshop on  
**Advances in Nano-Materials and Nano-Devices**

Date: October 24, 2019, 10:00-17:30

Place: Lecture room 232, 3rd Floor, Engineering Building II, The University of Tokyo  
7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8656, JAPAN

<http://www.photon.t.u-tokyo.ac.jp/~maruyama/2gokan.gif>

- 10:00- **Opening**
- 10:00-10:40 **Esko I. Kauppinen (Aalto University)**  
*On the control of the single walled carbon nanotube (SWNT) atomic structure and thin film color during the floating catalyst chemical vapor deposition (FCCVD) synthesis*
- 10:40-11:00 **Jani Kotakoski (University of Vienna)**  
*Atomic-resolution study of nanomaterials in Vienna*
- 11:00-11:20 *Break*
- 11:20-12:00 **Shigeo Maruyama (The University of Tokyo)**  
*One-dimensional hetero-structures based on SWCNTs*
- 12:00-13:20 *Lunch break*
- 13:20-14:00 **Clemens Mangler (University of Vienna)**  
*Experimental manipulation and microscopy setup in Vienna*
- 14:00-14:20 **Yongjia Zheng (The University of Tokyo)**  
*CVD growth of one-dimensional hetero-structures*
- 14:20-14:40 **Ming Liu (The University of Tokyo)**  
*Synthesis of MoS<sub>2</sub> nanotubes based on BN nanotubes*
- 14:40-15:20 **Gregor Leuthner (University of Vienna)**  
*Physical and chemical manipulation of nanomaterials in the electron microscope*
- 15:20-15:40 *Break*
- 15:40-16:20 **Harriet Åhlgren (University of Vienna)**  
*Computational studies of atomic-scale manipulation*
- 16:20-17:00 **Yutaka Ohno (Nagoya University)**  
*Doping control for low-voltage operation of CNT-based CMOS ICs*
- 17:00-17:40 **Kimmo Mustonen (University of Vienna)**  
*In situ electronic measurement during atomic resolution imaging*
- 17:40- **Closing**
- 18:00-20:00 *Reception (Sanjo Conference Hall)*