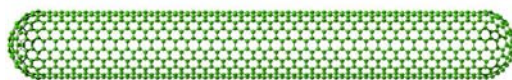


International Workshop on

# Carbon Nanotube Growth Mechanism



Wednesday, September 11, 2013 10:30-18:00

The University of Tokyo, Hongo Campus  
7-3-1 Hongo, Bunkyo-ku, Tokyo  
Engineering Building 2, Conference Room 31A (3rd Floor)  
Map: [http://www.u-tokyo.ac.jp/campusmap/cam01\\_04\\_03\\_e.html](http://www.u-tokyo.ac.jp/campusmap/cam01_04_03_e.html)

## Program

- 10:30-11:00 **Annick Loiseau** (CNRS and ONERA)  
*Correlation between catalyst particles and single-wall carbon nanotube diameter: a first step towards the structure control*
- 11:00-11:30 **Sohei Chiashi** (The University of Tokyo)  
*Growth and Applications of Horizontally Aligned Single-walled Carbon Nanotubes*
- 11:30-12:00 **Christophe Bichara** (CNRS and Aix Marseille University)  
*Towards an atomic scale understanding of single wall carbon nanotube growth on Ni nanoparticles*
- 12:00-15:00 *Lunch and Lab. Tour*
- 15:00-15:30 **Yasushi Shibuta** (The University of Tokyo)  
*Ab initio molecular dynamics study toward understanding initial dissociation process of carbon source molecules during nanotubes and graphene synthesis*
- 15:30-16:00 **Hakim Amara** (CNRS and ONERA)  
*A Tight-Binding Monte Carlo approach to study growth of carbon structures*
- 16:00-16:30 *Break*
- 16:30-17:30 **Shigeo Maruyama** (The University of Tokyo)  
*Octopus and VLS mode growth of single-walled carbon nanotubes by molecular dynamics method*
- 17:30-18:00 **Boris I. Yakobson** (Rice University)  
*Nanoreactor model for growth of nanotubes, graphene, and the cnt-carpets*

Contact:

Shigeo Maruyama, The University of Tokyo ([maruyama@photon.t.u-tokyo.ac.jp](mailto:maruyama@photon.t.u-tokyo.ac.jp))

Sponsored by

"JST, Strategic International Collaborative Research Program, SICORP" and  
"The Fullerenes, Nanotubes and Graphene Research Society"

