

# Workshop on Molecular Thermal Engineering

日時: 平成 25 年 7 月 5 日 13:30~18:15

場所: 東京大学 工学部 2 号館 3 階 機械系会議室 31A

Date: 13:30-18:15 July 5, 2013

Place: The University of Tokyo, Engineering Building II,  
3rd Floor, Conference Room 31A

**13:30~13:45** Shigeo Maruyama (The University of Tokyo)

Single-walled carbon nanotubes for energy devices

**13:45~14:15** Yoichi Murakami (Tokyo Institute of Technology)

Photon upconversion: A technology for utilizing sub-bandgap wasted energies

**14:15~14:30** Zhao Pei (The University of Tokyo)

Growth of single-layer and double-layer graphene from ethanol

**14:30~15:00** Shinya Aikawa (NIMS)

InOx-based metal oxide semiconductors for TFT applications

**15:00~15:30** Shohei Chiashi (The University of Tokyo)

Interaction between Single-walled Carbon Nanotubes and Water Molecules

**15:30~16:00** Break

**16:00~16:30** Yasushi Shibuta (The University of Tokyo)

Understanding formation mechanism of carbon nanotubes and graphene from numerical point of view

**16:30~16:45** James Cannon (The University of Tokyo)

A Molecular Dynamics simulation study into the influence of surface characteristics on liquid-solid interaction during heating

**16:45~17:00** Takuma Shiga (The University of Tokyo)

Lattice heat conduction analysis of thermoelectric materials from first-principles

**17:00~17:30** Junichiro Shiomi (The University of Tokyo)

Phase interface phenomena and thermal energy engineering

**17:30~18:00** Yuhei Miyauchi (Kyoto University)

Exciton Photophysics of a Dot in a Line

**18:00~18:15** Erik Einarsson

**18:45~** Farewell party