Program of pre-summer-camp mini workshop on

Micro- and Nano- materials and thermal engineering

Date: Sep. 25, 2014, 9:45-16:00
Place: The University of Tokyo, Engineering Building II, 3rd Floor,
Seminar room 232 (2-301)

9:45-10:00	**Registration**
10:00-10:05	**Shigeo Maruyama (the University of Tokyo)** *Opening talk*
10:05-10:25	**Kehang Cui (Maruyama Group, the University of Tokyo)** *Breath figure directed self-assembly of SWNTs for solar cells*
10:25-10:45	**Lee Weinstein (Gang Chen group, MIT)** *Optical cavity for improved performance of solar receivers in solar-thermal systems*
10:45-11:05	**Takaaki Chiba (Maruyama Group, the University of Tokyo)** Characterization of SWNT counter electrodes in dye-sensitized solar cells
11:05-11:25	**Cody Sewell (J. Kono group, Rice University)** *Development of graphene-based infrared and terahertz devices*
11:25-11:45	**Takafumi Oyake (Shiomi Group, the University of Tokyo)** *Thermal boundary conductance between Au and ionic liquid measured by time-domain thermoreflectance*
11:45-12:05	**Aditya Sood (Ken Goodson group, Stanford University)** *Thermal transport in nanoscale materials: from ordered to disordered*
12:05-13:15	*Lunch break*
13:15-13:35	**Kazuki Ogasawara (Maruyama Group, the University of Tokyo)** *FT-ICR study of chemical reaction of cobalt clusters with acetonitrile*
13:35-13:55	**Ahmed Zubair (J. Kono group, Rice University)** *Carbon nanotube fiber based broadband photodetector*
13:55-14:15	**Keigo Otsuka (Maruyama Group, the University of Tokyo)** *Creation of semiconducting single-walled carbon nanotube arrays by organic film-assisted electrical breakdown*
14:15-14:35	**Gabbi Coloyan (Li Shi group, UT Austin)** *Basal plane thermal conductivity of thin germanane layers*
14:35-15:00	*Break*
15:00-15:20	**Xiao Chen (Maruyama Group, the University of Tokyo)** *Synthesis of large-sized single-crystal graphene by alcohol CVD method*
15:20-15:40	**Patrik Laiho (Esko Kauppinen group, Aalto University)** *Thin film electronics based on aerosol-synthesized single-walled carbon nanotubes*
15:40-16:00	**Feng Yang (Yan Li group, Peking University)** *Chirality-specific growth of single-walled carbon nanotubes catalyzed by high melting point tungsten-based alloy nanocrystals*