

One-day Workshop on bio-inspired material

Date : July 17th (Tue), 2012 11:00-18:00

Venue : *3C (Nishiura Lab.), 3rd floor, WPI- AIMR Main Bldg.

(*Place might be changed to Seminar-room on the 2nd floor depending on the # of participants.)

Tohoku University, Sendai, Japan

Schedule:

- 11:00-11:05 **Opening**
- 11:05-12:05 **Session 1 : T.Fujie (Khademhosseini Lab., Device/System Group)**
"Functional Polymeric Nanosheet: Bio-Inspired Soft Material with Quasi-Two Dimensional Structure"
- 12:05-13:30 **Lunch**
- 13:30-14:30 **Session 2 : K.Kim (Teizer Lab., Materials physics Group)**
"Bio-motile system: Motion of microtubules by kinesin motor proteins"
- 14:30-15:30 **Session 3 : T.Nakamura (Interface Unit)**
"Characterization and calculation of the material property
Small Uni-lamellar Vesicle from molecular dynamics simulation
- bridging between molecular and continuous description -"
- 15:30-16:00 **Free discussion with coffee**
- 16:00-17:00 **Session 4 : T.Murosaki (Shimomura Lab., Device/System Group)**
"Development of antifouling hydrogels and surface textures against barnacles" (フジツボに対する防汚材料の開発 -ハイドロゲルと表面形状の観点から-)
- 17:00-18:00 **Session 5 : H.Yamazaki (Fujifilm)**
"Production Technology and Application of Honeycomb Film"
(ハニカムフィルムの製造技術とその応用)

*** We plan to dine out together after the meeting. (more details on the day)**

Organizers: Yasumasa Nishiura, Natsuhiko Yoshinaga (Nishiura Lab., Mathematics Unit)