



# ISSP International Workshop on Soft Matter Physics 2010 (ISSP/SOFT2010)

1st week    “Structural Rheology”    9-13 August, 2010

**2nd week “Biomembranes and Vesicles” 23-27 August, 2010**

August 2010

**5th Pacific Rim Conference on Rheology**

1-6 August: Sapporo

**ISSP/SOFT2010: Structural Rheology**

9-13 August: ISSP

**International Symposium on Non-Equilibrium  
Soft Matter 2010**

17-20 August: Nara

**ISSP/SOFT2010: Biomembranes and Vesicles**

23-27 August: ISSP



**Soft Matter Month in Japan**

# PRCR-5

5th Pacific Rim Conference on Rheology

August 1-6, 2010

Hokkaido University, Sapporo, Hokkaido, Japan



5th Pacific Rim Conference on Rheology

1-6 August: Sapporo

## 9-13 August: ISSP/SOFT2010 “Structural Rheology”

- Rheology of **uniform** system
  - Doi, Edwards (1978) → McLeish
- Rheology of **non-uniform** system
  - deformation, flow, destruction of meso-structures
  - non-equilibrium soft matter
- “Non-uniform” = “Structure”

- Polymers
  - branched, star polymers (McLeish, Briels)
  - interface in polymer blend (Orihara, Takahashi)
  - polyelectrolyte solution (Colby, Kumar)
  - micro-phase separation in BCP (Takahashi)
  - composite gel (Shibayama)
- Surfactants
  - worm-like micelle (Kumar, Briels)
  - shear-induced onion (Kato, Fujii)
  - foam (Cohen-Addad)
- Liquid crystals
  - lamellar, hexagonal phases (Komura, Ramos)
- Superconductors
  - vortex lattice (Maeda)
- Emulsions
  - macro-emulsion, droplet (Kawaguchi, Weeks)
- Colloids, glasses, amorphous
  - suspension of spheres and rods (Pine, Weeks)
  - granular system (Hatano)



17-20 August: Nara:  
International Symposium on  
Non-Equilibrium Soft Matter 2010

## All topics in soft-matter

Polymers, Colloids, Liquid Crystals,  
Surfactants, Biomaterials,  
Active Matters

Atom to Alzheimer



**23-27 August: ISSP/SOFT2010 “Biomembranes and Vesicles”**

**“Biomembranes and Vesicles” is an exciting field!**

**23 August: Lectures at Ochanomizu University**

**G. Gompper**

Theory with triangles

**M.I. Angelova**

Tube to Mitochondria

**S.G. Boxer**

Supported Membrane

