

ISSP International Workshop
“Polymer Networks Group Meeting &
Gel Symposium 2014” will be held in
Tokyo, Japan, 10-14 of November 2014

<http://www.tetrapod.t.u-tokyo.ac.jp/network/PNGS/>

The joint symposium of the 22nd Polymer Networks Group Meeting (PNG) and the 10th Gel Symposium sponsored by Institute for Solid State Physics, The University of Tokyo, (PN&G2014) will provide a platform for scientific exchange in all areas relevant to theory and simulation, fabrication, structure, properties, and industrial/medical applications of gels. This symposium will focus on “Cutting Edge of Chemistry, Physics, and Engineering in Polymer Networks (PhysChemEng).” Scientific topics of this symposium will include all areas of polymer networks and gels, with special emphasis on

- Physics (theory of elasticity, gelation, simulation, volume phase transition)
- Chemistry (novel synthesis of gels)
- Physical chemistry (sol-gel transition, gelation/vitrification, analysis and characterization)
- Materials science (elastomers, thermosets, gels, biomaterials, etc.)
- Engineering (responsive gel, bio-application, biomimetics, food science, drug delivery)
- New materials (liquid crystal gel, ion gel)

More than 20 excellent scientists will be invited from Asia, Europe, and America to the symposium. Besides, contributed oral and poster presentation will be programmed.

Chairman : Mitsuhiro Shibayama
The University of Tokyo
Co-chair: Masahiko Annaka,
Kyushu University

Plenary lecturers

Takuzo Aida (The University of Tokyo, Japan)
Aqua Materials and Bucky Gels

Akira Harada (Osaka University, Japan)
Macroscopic Self-Assembly and self-healing through molecular recognition

Alexei Khokhlov (Moscow State University, Russia)
Magneto-responsive elastomeric materials: main physical properties and applications

Björn Lindman (Lund University, Sweden)
Amphiphilic properties of cellulose: Dissolution, association and network formation

Ludwik Leibler (ESPCI, France)
Vitrimers, the third class of polymers

Kell Mortensen (University of Copenhagen, Denmark)
Hydrogels based on molecular self-assembly combined studies of structure and rheology

Murugappan Muthukumar (University of Massachusetts Amherst, USA)
Polyelectrolyte gel dynamics

Ung-il Chung (Univ. of Tokyo, JPN)

TBA

Keynote speakers

Anna Balazs (Univ. of Pittsburgh, USA)

Matthias Ballauff (Helmholtz-Zentrum Berlin, Germany)

Christopher Bowman (Colorado Univ., USA)

Ralph Colby (Penn State Univ., USA)

Costantino Creton (ESPCI, France)

Jack Douglas (NIST, USA)

Cecile Dreiss (King' College London, UK)

Bhuvanesh Gupta (Indian Inst. Tech., India)

Chang-Sik Ha (Pusan National Univ., Korea)

Ferenc Horkay (NIH, USA)

Eva Malmström- Jonsson (Royal Inst. Tech., Sweden)

Costas S. Patrickios (University of Cyprus, Cyprus)

Walter Richtering (RWTH Aachen Univ., Germany)

Michael Rubinstein (North Carolina, USA)

Oren Scherman (Univ. of Cambridge, UK)

Chi Wu (Chinese Univ. of Hong Kong, Hong Kong)

Miklos Zrinyi (Semmelweis Univ., Hungary)

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I hope to attend the Symposium and would like to receive the 2-nd Circular:

Name _____

Affiliation _____

Address _____

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E-mail _____

Please, e-mail before March 1, 2014
For future correspondence.

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Program

The Symposium program will include plenary lectures, invited lectures, contributed papers, and poster sections. The deadline for submitting abstracts is **May 31, 2014**. Instructions for the preparation of the abstracts will be reported in the 1st Circular. It will be distributed in **December 1, 2013**.

Language

English is the working language of the Symposium. No translation service will be provided.

Registration fee

The registration fee is 50,000 Yen for regular participants and 20,000 for students for early bird (March 1 to July 31 2014). The registration fee is 60,000 Yen for regular participants and 25,000 for students for later on site.

Address for correspondence

PN&G2014 Secretariat

Web-site:

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1st CIRCULAR