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## 54th SPSJ Annual Meeting Yokohama, Japan, May 25-27, 2005

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Hiroyuki Ohno and Jane C. Vogl, 54th SPSJ Annual Meeting Yokohama, Japan, May 25-27, 2005, *Polymer News*, 30(11), 361-365 (2005)

# 54th SPSJ Annual Meeting

Yokohama, Japan, May 25–27, 2005

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The Society of Polymer Science, Japan (SPSJ) traditionally holds two national meetings per year: the Annual Meeting in the spring, usually in May and the Annual Symposium in the fall usually in September or October. This year's President, elected for two years, was Professor Yoshio Okamoto of Nagoya University; Dr. Toshiaki Ushijima is the recently appointed General Secretary for the society, a permanent position. SPSJ has approximately 12,000 members.

This year's 54th Spring meeting was held in Yokohama May 25–27, 2005 and 3,500 scientists and students in Polymer Science participated. The program consisted of: Invited Lectures; Polymer Chemistry; Synthesis and Reactions; Polymer Physics; Structure and Properties; Functional Polymers, Heteropolymers and Biorelated Polymers; Polymers and the Environment; and Polymer Industry and Technology: Processes and Products.

39 invited Lectures, 9 of which were from abroad, and 2,272 Contributed Papers and Posters were presented. The papers were recorded in *Polymer Preprints, Japan*, Vol. 54, No 1 in an abbreviated printed form. The details can be found in the CD-ROM version of the *Preprints*.

The contributed papers came from all over Japan and included contributions from both large and smaller universities. The Annual Meeting of SPSJ gave scientists and students an opportunity to interact with each other. There were many interesting and exciting results reported, which demonstrated the enthusiasm of the individual contributors.

Scientific groups like that of Professor Yoshiki Chujo, Kyoto, Katsura Campus provided as many as 34 contributions, others fewer. Many contributions were presented in poster form. For a participant from abroad, it was interesting to see the competitiveness and cordiality that the students displayed during the poster presentation.



The Grand Yokohama International

The important part of the meeting consisted of the Invited Papers. They provided the core and spirit of the meeting. The entire list of an Invited Papers is as follows:

Koji Takagi, Nagoya Institute of Technology, Gokiso, Nagoya  
*Photophysics Control of Conjugated Polymer by Carbonyl Group*  
Teruaki Hayakawa, The University of Tokyo, Tokyo  
*Hierarchical Structures of Block Polymer Thin Films*



Hiroyuki Ohno



Jon C. Vogl

**Kazumori Kataoka, The University of Tokyo, Tokyo**  
*Block Copolymer Micelles as Nanocarriers for Gene and Drug Delivery*

**Francisco J. Balta Calleja, Instituto de Estructura de la Materia, Madrid, Spain**  
*Novel Studies on Micromechanical Properties of Confined Polymer Systems used in Synchrotron Radiation Techniques and Nanodentation Methods*

**Francesco Ciandelli, University of Pisa, Pisa, Italy**  
*Distinguished Contributions to the Science of Semiregular and Functional Polymers*

**Mark, M. Green, Polytechnic University, Brooklyn, NY, U.S.A.**  
*Global Studies in Polymers*

**Hisashi Ito, Almaden Research Center, San Jose, CA, U.S.A.**  
*Developing Chemical Amplification Resist for Semiconductor Device Fabrication by Microlithography*

**Richard S. Stein, University of Massachusetts, Amherst, MA, U.S.A.**  
*Teaching about Polymers to Students and the Public*

**Hiroyuki Otsuka, Kyushu University, Fukuoka**  
*Macromolecular Crosslinker and Scrambling Reaction Based Dynamic Covalent Bonds*

**Atsushi Shishido, Keiji Sasaki, Rieko Yamamoto, Tomiki Ikeda, Tokyo Institute of Technology, Nagatsuta, Yokohama**  
*Two Dimensional Periodic Polymer Structures Fabricated by Holographic Photo-polymerization*

**Nikyoung Kim, Chul-Sang Choi, Hanyang University, Seoul, Korea**  
*Optical Image Processing Using Photorefractive Polymers*

**Masatoshi Iji, NEC Co., Miyukigaoka, Tsukuba, Ibaraki**  
*Environmentally Safe Self-Extinguishing Epoxy Resin Compounds and Their Application to Electronic Components*

**Koshiro Maeda, Hideki Ohmori, Hisoki Gyotoku, Sanyo Chemical Industries Ltd., Kyoto**  
*Development of Spherical Polystyrene Beads*

**Toshihisa Takata, Tokyo Institute of Technology, O-okayama, Tokyo**  
*Design and Synthesis of Novel Polymers using Controlled Molecular Species*

**Toshihiko Nagamura, Kyushu University, Fukuoka**  
*Molecular Photonics by Optical Control of Electronic States in Polymers*

**Mitsuo Maeda, Riken, Hiratsawa, Wako**  
*Synthesis and Application of DNA-Conjugated Polymers*

**Masayoshi Higuchi, National Institute for Material Science, Tsukuba**  
*Functional Molecular: Creation of Organic-Metallic Hybrid Nano-Materials*

**Hisashi Maeda, Takuya Matsumoto, Shigeki Takigawa, Takahiro Tayaoka, Hiroyuki Ito, Nippon Oil Corp., Chidorigicho, Yokohama**  
*Development of Liquid Crystalline Polymer Films for Liquid Crystal Displays*

**Toshihiko Suzuki, Teiji Kohata, Masayoshi Ohshima, Tadao Natsuno, Masahiro Yamazaki, Zeon Corporation, Matsumoto, Tokyo**  
*Development and Commercialization of High Performance Cyclo-Olefin Polymer*

**Junji Watanabe, The University of Tokyo, Tokyo**  
*Cell Membrane-Inspired Bio-interface*

**Masam Tanaka, Hokkaido University, Sapporo**  
*Fabrication of Polymer Based on Self-organization and its Application*

**Yasuyuki Teruka, Tokyo Institute of Technology, O-okayama, Tokyo**  
*Topological Polymer Chemistry for the Design of Novel Macromolecular Architecture*



Yokohama Harbor.



Members, IUPAC Commission



IUPAC President, 1994-1996

**Yoshiki Shima**, Hiroshima University, Higashi-Hiroshima  
*Primary Structure Control of Hydrocarbon Polymers by Coordination*

**Yasuyuki Kikuchi**, Hokkaido University, Sapporo  
*Novel and General Control via Coordination of Radical Polymerization*

**Nobuhiko Kawasumi**, Nagoya Institute of Technology, University of Nagoya, Gokisoji

*Photo-Induced Orientation of Polymer Liquid Crystals*  
**Teruhiko Takashi**, Tohoku University, Sendai  
*Molecular Recognition by Molecularly Imprinted Polymers*  
**Kang Hanjoo**, Seoul National University, Seoul  
*Development of Polymers Based on Molecular Design and Utilization of Cellular Mechanism*

**Kazumasa Matsumoto**, Kyoto University, Fushimi  
*Construction of Cage Structures by Self-Assembly of DNA and Polymers*

**Rae Yatsunami**, Massachusetts Institute of Technology, Cambridge, MA, U.S.A.

*Biodegradable Plastics and their Composites Formability*  
**Yoshiaki Yaguchi**, Hokkaido University, Sapporo  
*Control of Ion-Pairable Plastics by Microtechnology from Molecular Production to Production in Plant*

**Shoichi Matsumoto**, Kyoto University, Fushimi  
*Materials for DNA Engineering*

**Shigeo Aida**, Tokyo Institute of Technology, Ookayama, Tokyo

*Fluorinated Polymers for Optical Light Wave Application*  
**Shiroshi Hamada**, Kyoto Institute of Technology, Matsugasaki  
*Transmission Electron Microscopy on Polymer Nano-Structure*

**Shoichi Nagata**, Tokyo Institute of Technology, Ookayama, Tokyo

*Observation of Morphological Transition in Polymer System by Using Small-Angle X-Ray Scattering and Spectroscopic Methods*

**Bochen Gong**, Guangxi Wei Jiao Yong Xue, Guangxi University, Nanning, China  
*Systems of Graft Copolymers for AMP and their Molecular Orientation in Solution*

**Woo-Il Lee**, Seoul, Song Yoo Kwon, Shin Song Eun, Song Yoon Kwon, Kyungju University, Kyungju, Korea

*Optical Temperature Sensor Based on Poly(2-vinylpyridine) Hydrogels and their Molecular Application*

**Keiji Usuki**, Kyoto University, Fushimi  
*Polymer Nano-Adhesion Promoted by Surface Molecular Motion*

**Kun Nakajima**, Tokyo Institute of Technology, Ookayama, Tokyo

*Mechanical Properties of a Single Polymer Chain*

These sessions, many excellent papers were displayed at the IUPAC Session with enthusiasm and dedication shown by the young scientists. The outstanding results in their research demonstrated the competence of the younger generation. We look forward to their future accomplishments.

On May 28, the traditional luncheon was held in the Nishinokan, The Grand Hotel, Fushimi District, Kyoto. Most of the guest Presidents and honorary members of the Society attended: Tsuyoshi Yasuda, Kazuo Imai, Shiroshi Hamada, Yoshiko Yamamoto, Yoshiko Yamamoto, Michiko Kuroki, Tetsuo Kajiya, and the Secretary General, Susumu Okamura. The invited were some of the foreign speakers: Francesco Carilli, Francisco J. Blanco-Cadena, Malcolm S. Math, Mark M. Green, and Otto Vogl, Honorary Member of IUPAC.

IUPAC traditionally presents awards at their Annual meetings. The ceremony was conducted in the Grand Auditorium of the



President Yoshio Ohmura and Otto Vogl at the Presentation

Conference Center Pacifico Yokohama, 5 p.m. This ceremony was preceded by the business meeting.

Otto Vogl, a long-term friend of the SPSJ, was named an Honorary Member of the Society, a distinction that is reserved to past presidents of the Society and rarely bestowed on foreigners.

Foreign speakers received two kinds of awards. Mark M. Green, the Distinguished Scientist Award and Francesco Ciardelli and Francisco J. Balta Calleja, the International Award. Several awards were given to Japanese scientists who distinguished themselves in their contributions in Polymer Science. Some awards were given to senior scientists and a different award was reserved for young scientists who had achieved distinction and showed future promise of achievements.

An award was also given to the authors of the best article published in *Polymer Journal* (Japan), the scientific journal of the SPSJ in English by scientists under the age of 40 years. Another award was given to authors of an article in *Kobunshi Kagaku*, the Japanese journal of the Society.

After the award ceremony a grand reception was held in the ballroom of the The Grand Yokohama Intercontinental. Several hundred participants attended. It was buffet style with Japanese and Western delicacies. Japanese whisky and Japanese beer were served, as is the case at all such receptions.

In his speech at the reception, President Ohmura greeted the participants and especially thanked those who were responsible for the arrangements for such a successful meeting. He also briefly mentioned the status of the society and thanked all



At the reception.



Dinner in Chinatown.





Makoto Kamachi and Michie Shima



Nagao Yoshio

contributors and participants for attending. Otto Vogl replied on behalf of the visitors from abroad and congratulated the SPSJ for its achievements. He then gave a short overview about the 40 years he had frequently attended Annual Meetings and Symposia of the SPSJ. He mentioned also that he had interacted with four generations of Japanese scientists and still remembers personally those who started the SPSJ.

Finally, Teiji Tsuruta, the senior functionary of the SPSJ (he was also a former president of the Chemical Society of Japan), reminisced about the achievements that occurred during his active years in the SPSJ and gave some visionary views for the future.

In concluding his remarks and because it is tradition, he proposed the toast (Kampai) for the reception.

Many scientific contributions to the meeting were represented in poster sessions. It was with great pride that we saw in the poster sessions the enthusiasm and dedication that the young scientists displayed. Their results from their research were displayed with enthusiasm and competence that is highly commendable.

The last session was concluded on Friday morning. The impression was left that the young scientists were looking forward to the Annual Symposium in the fall. It was gratifying to see they had great expectations to achieve new research results as they stride into the future.

Some of the senior members of the society could not attend the Annual Meeting and sent their greetings, as for example Shigeharu Onogi.

The 54th Annual Meeting, as many Annual Meetings and Annual Symposia before, ended with a feeling of great satisfaction, satisfaction that many tasks had successfully been completed. It was a wonderful Annual Meeting that provided many new and exciting scientific results. For us that have participated in numbers of Annual Meetings and Annual Symposia of the SPSJ for many years (even decades), we have the feeling that polymer science is in good hands in the 21st century.



Shigeharu Onogi