

**A Step toward Creating Novelty Fields in the Future
Plasma Science & Technology Age**

ISGLP2008

**International Interdisciplinary-Symposium
on Gaseous and Liquid Plasmas**



September 5-6, 2008

**Hotel Crescent
Tohoku University
Akiu/Sendai, Japan**

<http://www.plasma.ecei.tohoku.ac.jp/ISGLP/>

General Information

The International Interdisciplinary-Symposium on Gaseous and Liquid Plasmas will be held in September 5-6, 2008, at the Hotel Crescent in Akiu/Sendai, Japan, as a satellite meeting of the 14th International Congress on Plasma Physics (ICPP2008).

The scope of this Symposium (ISGLP2008) covers a wide range of the aspects on gaseous plasma fundamental physics and applications, and liquid plasmas which have recently attracted much attention as promising tools for materials and environmental sciences.

The symposium particularly encourages to exchange information and stimulate discussion on subjects concerned with production, fundamental processes, control, basic properties, gas-liquid-solid phases interactions, and applications in both the gaseous and liquids plasmas. The goal is to promote interdisciplinary interchange between scientists and engineers of the gaseous and liquid plasmas toward the ideas creation of unprecedented or novelty fields in the early 21st century plasma science & technology age.

Organize by

Sendai Plasma Forum

RIEC

Sponsored by

**Research Institute of
Electrical Communication,
Tohoku University**



Co-sponsored by

**Tohoku University
Electro-Related Departments
Global COE Program**

Topics

The ISGLP2008 will consist of a series of oral sessions (composed of both invited and contributed papers) and poster sessions. Sessions will be organized in subjects related to gaseous and liquid plasmas.

Gaseous Plasma Sessions

1. Plasma Production and Control
2. Plasma Diagnostics and Monitoring
3. Waves, Instabilities, and Transport
4. Strongly Coupled / Complex Plasmas
5. Negative-Ion / Ionic / Pair Plasmas
6. Micro / Atmospheric-Pressure Plasmas
7. Space and Astrophysical Plasmas
8. Plasma Applications

Liquid Plasma Sessions

1. Arc / Streamer / Glow Discharge Plasmas in Liquid
2. Bubble Discharge Plasmas in Liquid
3. Pulsed-Power Discharge in Liquid
4. Soft Matter Plasmas
5. Liquid-Gas Interfacial Plasmas
6. Plasmas in Supercritical Medium
7. Materials / Environmental Application of Liquid Plasmas
8. Nano/Bio Application of Liquid Plasmas

Contributed Papers

Contributed papers will be presented separately in oral and poster sessions. The authors are requested to submit a short abstract (about 300 words) via the web site of ISGLP not later than June 20, 2008. The short abstract will be refereed by the Organizing Committee, and the decision will be notified to the first author. Authors of the accepted papers should submit a four-page manuscript for a proceedings volume (in a one-column, camera-ready form) by the end of July, 2008. Further details will be given in the web site.

Proceedings

The conference proceedings containing invited and contributed papers are planned and will be distributed to regular participants upon registration at the conference.

Language

The official language of the conference is English, and will be used for all presentations and printed materials.

Registration Fee

The registration fee for regular participants will be 20,000 Japanese Yen per person, while that for full-time students will be 13,000 Japanese Yen. The registration fee includes a welcome reception, banquet, and a proceedings volume.

Conference Site

The conference will be held at the Hotel Crescent in Akiu/Sendai. Akiu is one of the famous hot springs near Sendai City. Visiting hot springs to enjoy their waters is the great pleasures of traveling in Japan. Accommodations will be available at several hotels of different categories in Akiu/Sendai. However, we strongly recommend the contributors to stay at the Hotel Crescent for your convenience.

Calendar of Events

First announcement and call for papers	May, 2008
One-page abstract deadline	June 20, 2008
Notification of acceptance	June 30, 2008
Four-page papers deadline for a proceedings volume (a one-column, camera-ready form)	July 31, 2008
Registration and hotel reservations	July 31, 2008
Final announcement/program	August, 2008

Organizing Committee

Chair	Rikizo Hatakeyama (Tohoku University, Japan)
Co-Chair	Mark E. Koepke (West Virginia University, USA)
Co-Chair	Bruce R. Locke (Florida State University, USA)
Program Chair	Satoru Iizuka (Tohoku University, Japan)
Publications Chair	Akira Ando (Tohoku University, Japan)
Arrangements Chair	Toshiro Kaneko (Tohoku University, Japan)
Secretary	Toshiaki Kato (Tohoku University, Japan)

Conference Chair

Prof. **Rikizo Hatakeyama**
Department of Electronic Engineering
Tohoku University

6-6-05 Aoba, Aramaki, Aoba-ku
Sendai 980-8579, Japan
Telephone: +81-22-795-7045
Facsimile: +81-22-263-9375
E-mail: ISGLP@ecei.tohoku.ac.jp