Organizing Committee

Chair
Prof. Dr. Korekazu Ueyama, Kogakuin University
E-mail: ueyama@cc.kogakuin.ac.jp

Vice Chair
Prof. Dr. Koichi Terasaka, Keio University
E-mail: terasaka@applc.keio.ac.jp

Committee Members
Prof. Dr. Katsumi Tsuchiya, Doshisha University
Prof. Dr. Shunji Honma, Saitama University
Prof. Dr. Mitsuhiro Ohta, Muroran Institute of Technology
Prof. Dr. Hiroshi Umakoshi, Osaka University
Dr. Shuichi Iwata, Nagoya Institute of Technology
Dr. Kei Mizuta, Kagoshima University
Dr. Daisuke Kobayashi, Tokyo University of Science
Prof. Dr. Hiroshi Takeda, R-flow Co., Ltd.
Dr. Naoki Shimada, Sumitomo Chemical Co., Ltd.

Chair for Germany
Prof. Dr. Michael Schlüter, Technical Univ. of Hamburg-Harburg
E-mail: michael.schlueter@tuhh.de

Vice Chair for Germany
Prof. Dr. Dieter Bothe, Technical University of Darmstadt
E-mail: bothe@csi.tu-darmstadt.de

Scientific Committee
Prof. Dr. Korekazu Ueyama, Kogakuin University
Prof. Dr. Koichi Terasaka, Keio University
Prof. Dr. Katsuhiko Muroyama, Kansai University
Prof. Dr. Takami Kai, Kagoshima University
Prof. Dr. Hidehiro Kamiya, Tokyo Univ. of Agricul. & Technol.
Prof. Dr. Naoto Ohmura, Kobe University
Prof. Dr. Yosuke Matsukuma, Kyushu University
Prof. Dr. Shunji Honma, Saitama University
Prof. Dr. Mitsuhiro Ohta, Muroran Institute of Technology
Dr. Naoki Shimada, Sumitomo Chemical Co., Ltd.
Prof. Dr. Michael Schlüter, Technical Univ. of Hamburg-Harburg
Prof. Dr. Dieter Bothe, Technical University of Darmstadt

Contact Information

Secretariats
Prof. Dr. Makoto Yoshimoto, Yamaguchi University
E-mail: yosimoto@yamaguchi-u.ac.jp
Fax: +81-836-85-9201

Dr. Satoko Fujikawa, Keio University
E-mail: fujioka@applc.keio.ac.jp
Fax: +81-45-566-1575

Venue
Kanazawa Culture Hall, 15-1 Takaoka-cho, Kanazawa-city, Ishikawa 920-0864, Japan, Fax: +81-76-223-1299

In the Kanazawa City, the Japanese traditional culture and the essence of the old castle town remain strongly in evidence. Kanazawa is also known to have special food products like rice, sushi, Japanese sake and a Japanese-style confection. There are many noted places such as the Kanazawa castle and the Kenroku-en that counted as one of the three noted gardens in Japan. For further information, please visit the website: http://www.city.kanazawa.ishikawa.jp/index_e.html

Organizing Committee

Chair
Prof. Dr. Korekazu Ueyama, Kogakuin University
E-mail: ueyama@cc.kogakuin.ac.jp

Vice Chair
Prof. Dr. Koichi Terasaka, Keio University
E-mail: terasaka@applc.keio.ac.jp

Committee Members
Prof. Dr. Katsumi Tsuchiya, Doshisha University
Prof. Dr. Shunji Honma, Saitama University
Prof. Dr. Mitsuhiro Ohta, Muroran Institute of Technology
Prof. Dr. Hiroshi Umakoshi, Osaka University
Dr. Shuichi Iwata, Nagoya Institute of Technology
Dr. Kei Mizuta, Kagoshima University
Dr. Daisuke Kobayashi, Tokyo University of Science
Dr. Hiroshi Takeda, R-flow Co., Ltd.
Dr. Naoki Shimada, Sumitomo Chemical Co., Ltd.

Chair for Germany
Prof. Dr. Michael Schlüter, Technical Univ. of Hamburg-Harburg
E-mail: michael.schlueter@tuhh.de

Vice Chair for Germany
Prof. Dr. Dieter Bothe, Technical University of Darmstadt
E-mail: bothe@csi.tu-darmstadt.de

Scientific Committee
Prof. Dr. Korekazu Ueyama, Kogakuin University
Prof. Dr. Koichi Terasaka, Keio University
Prof. Dr. Katsuhiko Muroyama, Kansai University
Prof. Dr. Takami Kai, Kagoshima University
Prof. Dr. Hidehiro Kamiya, Tokyo Univ. of Agricul. & Technol.
Prof. Dr. Naoto Ohmura, Kobe University
Prof. Dr. Yosuke Matsukuma, Kyushu University
Prof. Dr. Shunji Honma, Saitama University
Prof. Dr. Mitsuhiro Ohta, Muroran Institute of Technology
Dr. Naoki Shimada, Sumitomo Chemical Co., Ltd.
Prof. Dr. Michael Schlüter, Technical Univ. of Hamburg-Harburg
Prof. Dr. Dieter Bothe, Technical University of Darmstadt

Transportation

By air to Komatsu airport
From Tokyo: 60 min (From Narita airport: 70 min)
From Seoul: 1 h 45 min
By train to Kanazawa station of Japan Railways (JR)
From Tokyo: 3 h 50 min
From Osaka: 2 h 30 min (from Kansai airport to Osaka: 1 h)

Organization
The symposium will be organized by the Research Group of Bubble, Drop, and Particle Dispersion Engineering in Fluid and Particle Processing Division, the Society of Chemical Engineers, Japan.

Website: www.MMPE.jp

1st International Symposium on Multiscale Multiphase Process Engineering (MMPE)

In continuation of 1st to 7th Japanese/German Symposium on Bubble Columns

First Circular and Call for Papers

SCEJ The Society of Chemical Engineers, Japan
Scope

It is our great pleasure to host the 1st international Symposium on Multiscale Multiphase Process Engineering (MMPE) held in Kanazawa, Japan on October 4-7, 2011. This symposium intends to extend and strengthen the scientific basis and network which have been built up since 1988 through the former 1st to 7th Japanese/German Symposium on Bubble Columns (JGSBC). The JGSBC was held triennially and alternatively in Japan and Germany. The MMPE offers a forum on modern nano-, micro- and macro-scale aspects of multiphase process engineering. The MMPE conceives to organize unique and tight network among participants, which potentially leads to an international research project on a challenging and rewarding issue. We sincerely welcome participants from every country and with wide range of academic and professional backgrounds related to the fields. Young scientists and students will also be welcome. We look forward to welcoming you all in Kanazawa, a beautiful city remaining ancient Japanese culture and tradition.

Scientific Topics

Multiscale multiphase process engineering involving bubble, drop and particle dispersion systems related to
- Fundamentals including hydrodynamics and mass and heat transfer properties,
- Advanced measurement and experimental techniques,
- Computational fluid dynamics (CFD) and simulation,
- Micro- and nano-dispersion systems, microreactors and nanotechnology,
- Multiphase reaction, catalytic reaction engineering and bioreactors,
- Multiphase flow aspects of bubble columns, extraction columns, loop reactors, fluidized beds, and so on.
- Applications including innovative reactor design, novel reactor configurations and advanced energy and environmental systems etc.

Technical Program

The program will consist of
- Keynote lectures and full oral presentations
- Poster presentations with 5-minute oral presentations
- One-day tour.

Fruitful scientific discussions and international joint research planning will be done in Poster Sessions.

Language

The official language of the symposium is English.

Symposium Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 4 (Tue)</td>
<td>Registration; Welcome Party</td>
</tr>
<tr>
<td>October 5 (Wed)</td>
<td>Full-day sessions; Free time</td>
</tr>
<tr>
<td>October 6 (Thu)</td>
<td>Full-day sessions; Banquet</td>
</tr>
<tr>
<td>October 7 (Fri)</td>
<td>Tour; Farewell Party</td>
</tr>
</tbody>
</table>

Registration Fees

<table>
<thead>
<tr>
<th></th>
<th>Advanced (until August 20, 2011)</th>
<th>Regular (after August 21, 2011)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular participation</td>
<td>35,000 JPY</td>
<td>45,000 JPY</td>
</tr>
<tr>
<td>Students including</td>
<td>10,000 JPY</td>
<td>13,000 JPY</td>
</tr>
<tr>
<td>post-doctoral fellows</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accompanying person</td>
<td>5,000 JPY</td>
<td>6,500 JPY</td>
</tr>
</tbody>
</table>

Participants are strongly encouraged to complete registration in advance on our website by August 20, 2011. The registration fee includes registration, preprints/CD, coffee breaks, lunches, welcome party on Tuesday, banquet on Thursday, and tour and farewell party on Friday. On Wednesday, participants will freely enjoy local foods in Kanazawa around venue. Please note that fees for accommodation and insurance are NOT included. Accommodation (Kanazawa New Grand Hotel) near by the venue will be provided with special rate. Specific information about accommodation will be available in the Second Circular and on our website.

Important Dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 1, 2011</td>
<td>Receipt of abstracts and proposals of international joint research</td>
</tr>
<tr>
<td>April 30, 2011</td>
<td>Notification of abstract acceptance</td>
</tr>
<tr>
<td>June 30, 2011</td>
<td>Receipt of full-length manuscripts</td>
</tr>
</tbody>
</table>

Abstract Submission

The organizing committee cordially invites you to submit abstracts of the scientific contributions by March 1, 2011. Please use the template which will be available on our website www.MMPE.jp and adhere to the guidance given on the site. The abstract template includes a questionnaire concerning an international joint research project. The contributors who intend to propose the project are requested to provide a topic of interest and its outline, together with the potential collaborators. Based on the proposals submitted, the scientific advisory committee will consider the theme of project and coordinate research team. The final form of the project will be fixed through scientific discussions during the symposium. Financial supports on 1st MMPE are planning to be applied to the Japan-German bilateral joint projects organized by the Japan Society for the Promotion of Science (JSPS) and the German Research Foundation (DFG). All contributors will be informed before April 30, 2011 whether their abstract and oral or poster preference were accepted by the scientific advisory committee. Further information about the full-length manuscripts for the symposium preprints also will be provided to the contributors.

Symposium Preprints

All accepted contributions will appear in the preprints of the symposium. The preprints including its CD will be made available to participants during the registration at the symposium. A limited number of original contributions will be later published in the special issue of the Journal of Chemical Engineering of Japan after peer-review process.