



The International Information Center for Multiphase Flow

NEWSLETTER

No.18

May 2002

The Japanese Society for Multiphase Flow

**Tenth International Conference On Nuclear Engineering
 ICONE-10
 April 14 to 18, 2002, Washington DC, USA**

by Yutaka Abe

Tenth International Conference On Nuclear Engineering (ICONE-10) was held on April 14 to 18 in 2002 at Hyatt Regency crystal City, Arlington, Virginia. The ICONE-10 was sponsored by the American Society of Mechanical Engineers (ASME) and the Japan society of Mechanical Engineers (JSME), participated by the Atomic Energy Society of Japan (AESJ) and the International Atomic Energy Agency (IAEA), and was supported by the EPRI, the Framatome ANP, the Westinghouse Electric Company, the US Nuclear Regulatory Commission (NRC) and the Toshiba Corporation. The ICONE-10 is a follow-up to the successful meetings held in Tokyo (1991), San Francisco (1993), Kyoto (1995), New Orleans (1996), Nice (1997), San Diego (1998), Tokyo (1999), Baltimore (2000) and Nice (2001). Over 500 peer reviewed full-length papers were presented about the following research area:

- Track-1: "Plant Operations and Maintenance"
- Track-2: "Major Components Reliability and Materials Issues"
- Track-3: "Structural Integrity, Dynamics and Mitigation, Material Cracking and Failure"

- Track-4: "License Renewal, Life Extension, Decommissioning and Decontamination"
- Track-5: "Safety, Reliability and Plant Evaluations"
- Track-6: "Next Generation Systems"
- Track-7: "Thermal Hydraulics"
- Track-8: "Nuclear Engineering and Technology Advances"
- Track-9: "Nuclear Fuel Cycle, Spent Fuel and Radwaste Management"
- Track-10: "Codes, Standards, Regulatory Issues"
- Track-11: "Student Papers"

Followed the first day Keynote Session, 8 Plenary Sessions, 5 Invited Panel Sessions, 6 Panel Sessions and a Special Session were held in the meeting including exhibition by nuclear related companies and technical tour of US NRC's Emergency response facility.

Over 500 papers presented at the ICONE-10 covers the topics range over the full spectrum of nuclear engineering from descriptions of nuclear plant operations and proposed plant designs to the theory and experimental data that form the basis for understanding the plant' behavior under both normal and off-normal

To Join ICeM:

Everybody, who are interested in "multiphase flow", can be a member of ICeM. You are welcome to join ICeM. Please contact either of the following to register in ICeM member.

Chairman(Editor):

Prof. Tomoji Takamasa
 Faculty of Mercantile Marine Sci.
 Tokyo University of Mercantile Marine
 Etchujima, Tokyo 135-8533, Japan
 Tel: +81-3-5245-7406
 Fax: +81-3-5245-7336
 E-mail: takamasa@ipc.tosho-u.ac.jp

Vice Chairmen:

Prof. Yutaka Abe
 Inst. of Eng. Mech. & Sys.
 University of Tsukuba
 Tennodai, Tsukuba 305-8573, Japan
 Tel&Fax: +81-298-53-5266
 E-mail: abe@kz.tsukuba.ac.jp

Prof. Shigeo Hosokawa
 Graduate School of Sci. & Tech.
 Kobe University
 Rokkodai, Nada, Kobe 657-8501, Japan
 Tel: +81-78-803-6132
 Fax: +81-78-803-6155
 E-mail: hosokawa@mech.kobe-u.ac.jp

conditions. The meeting began with a Welcome reception on Sunday. On Monday morning, Senator Larry Craig opened the meeting. He was followed by Councilor Tokio Kanoh, a member of the House of Councilors in Japan, and then Nils Diaz, Commissioner of the US NRC, gives Keynote Address.

Although all aspects are discussed from the regulatory perspective to the operational perspective in subsequent days at the meeting, still over 100 papers were presented at the Track-7 "Thermal Hydraulics", mainly relating to the research result of the gas-liquid two-phase flow. A lot of sophisticated measurement results for the gas-liquid two-phase flow were presented from US and Japan. Based on the advanced measurement results, more clear physical understanding was presented

for the gas-liquid two-phase flow in nuclear power plant. Many research results for the thermal hydraulics under sever accident sequence in light water reactors are presented by the European contraries and far east countries. Especially, the result with large scale experimental facilities were presented by South Korea.

Please remind you that the next meeting (ICONE-11) will be held in Tokyo, 2003.

Professor Yutaka Abe
Institute of Engineering Mechanics and Systems
University of Tsukuba
Tsukuba, Ibaraki, 305-8573, Japan
FAX: 0298-53-5266
E-mail: abe@kz.tsukuba.ac.jp.

Executive Division of The Japanese Society for Multiphase Flow (2001-2002)

President T. Fukano (Kyushu University)

Vice Presidents M. Ozawa (Kansai University)
T. Ikohagi (Tohoku University)
A. Tsuge (Daikin Ind. Ltd.)

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T. Saito (Shizuoka University)

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H. Inaba (Okayama University)

Chair of International Intercourse Division
K. Hishida (Keio University)

Executive Office of JSMF:

Gakujyutu Shuppan Insatu Co.

2-14-9 Kasugadenaka, Konohana-ku, Osaka, 554-0022, JAPAN

Tel : +81-6-6466-1588 Fax : +81-6-6463-2522

E-mail : QYM02135@niftyserve.or.jp

WWW : homepage <http://flow.human.nagoya-u.ac.jp/JSMF/>

Future Meetings

Following list includes Conference Name, Place, Date and Contact.

Fourth International Conference on Advances in Fluid Mechanics

Ghent, Belgium, May 15-17, 2002
Dr. C A Brebbia
Wessex Institute of Technology
Prof. M Rahman
Dalhousie University
Prof. R Verhoeven
University of Ghent
Fax: 44 (0) 238 029 2853
E-mail: shobbs@wessex.ac.uk
<http://www.wessex.ac.uk/conferences/2002/afm02/index.html>

The 9th Asian Congress of Fluid Mechanics, Isfahan University of Technology

Isfahan, Iran, May 27-30, 2002
Prof. E. Shirani
Department of Mechanical Engineering,
Isfahan University of Technology (IUT),
Isfahan 84154, Iran
Dr. M. R. Chamani
Department of Civil Engineering,
Isfahan University of Technology (IUT),
Isfahan 84154, Iran
E-mail: acfm9@conferences.iut.ac.ir
<http://conferences.iut.ac.ir/acfm9/>

Fourth Pacific Rim Thermal Science and Energy Engineering Workshop PaRTSEE-4

Kyoto, Japan, May 31 - June 2, 2002
Prof. Akimi Serizawa
Department of Nuclear Engineering
Kyoto University
Yoshida, Sakyo, Kyoto 606-8501 Japan
Phone & Fax: 81-75-753-5829
E-mail: serizawa@nucleng.kyoto-u.ac.jp
<http://www.nucleng.kyoto-u.ac.jp/Groups/F-group/PaRTSEE-4/>

Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems

Dubrovnik, Croatia, June 2-7, 2002
Energetika Marketing, Sokolska 25, HR-10000
Zagreb, Croatia
Tel/Fax: +385 1 3771256, +385 1 3772429
E-mail: dubrovnik2002@ege.hr
<http://powerlab.fsb.hr/Dubrovnik2002/>

4th GAP Engineering Congress

Sanliurfa, Turkey, June 6-8, 2002
Dr. Bulent Yesilata
Harran University, Faculty of Engineering, ME Department

Sanliurfa 63300, TURKEY
Tel:+90-414-313 1552
Fax:90-414-313 5124
E-mail: gap2002@harran.edu.tr or
harrangap2002@yahoo.com
<http://www.harran.edu.tr/gap2002>

ANS Annual Meeting, embedded Topical Meeting: International Congress on Advanced Nuclear Power Plants (ICAPP)

Hollywood, FL, USA, June 9-13, 2002
<http://www.ans.org/meetings/annual/>

24th World Conference on Boundary Element Methods incorporating Meshless Solutions Seminar

Sintra, Portugal, June 17-19, 2002
Dr. Rachel Green
Wessex Institute of Technology
Ashurst Lodge, Ashurst, Southampton, SO40 7AA, UK
Telephone: 44 (0) 238 029 3223
Fax: 44 (0) 238 029 2853
E-mail: rgreen@wessex.ac.uk
<http://www.wessex.ac.uk/conferences/2002/be02/index.html>

International Joint Power Generation Conference

Phoenix, Arizona, USA, June 24-26, 2002
<http://www.asmeconferences.org/ijpgc02/>

The Third International Conference on Transport Phenomena in Multiphase Systems (HEAT2002)

Kielce, Poland, June 24-27, 2002
Prof. M. E. Poniewski
Kielce University of Technology
<http://eden.tu.kielce.pl/~heat/>

Low-Temperature and Cryogenic Refrigeration-Fundamentals and Applications

Golden Dolphin Hotel, Cesme, Turkey, June 23 - July 05, 2002
Prof. Dr. S. KAKAC, Co-director
Department of Mechanical Engineering
University of Miami
Coral Gables, Florida 33124, USA
Prof. Dr. H. SMIRNOV, Co-director
OSAR - Odessa State Academy of Refrigeration
1-3 Dvorianskaja St., 270026, Odessa, UKRAINE
Dr. Mila Avelino
E-mail: mila@uerj.br
<http://www.ichmt.org/Refrigeration-NATOASI/>

2002 Fluids Engineering Division Summer Meeting

Montreal, Quebec, Canada, July 14-18, 2002

Dr. U. S. Rohatgi

Brookhaven National Laboratory

Phone: (631) 344-2475

E-mail: rohatgi@bnl.gov

<http://www.asme.org/conf/fed02/>

13th Int. Sympo. on Transport Phenomena (ISTP'13)

Victoria, USA, July 14-18, 2002

Dr. Sadik Dost

ISTP-13

Department of Mechanical Engineering

University of Victoria

Victoria, BC, Canada V8W 3P6

Fax: 1-250-721-6294

E-mail: sdost@me.uvic.ca

Dr. Ibrahim Dincer

ISTP-13

Department of Mechanical Engineering

KFUPM

Box 127, Dhahran 31261, Saudi Arabia

Fax: (966-3) 860-2949

E-mail: idincer@kfupm.edu.sa

<http://www.istp13.uvic.ca/>

4th International Symposium on Computational Technologies for Fluid/Thermal/Chemical Systems with Industrial Applications

Vancouver, British Columbia, Canada, August 4-8, 2002

Dr. Vladimir Kudriavtsev

CFD Canada

50 Graydon Hall Drive, ste 401

Toronto, ON M3A 3A3, CANADA

Phone: +1-416-441-0803

Fax: +1-416-441-0803

E-mail: vvk@cfcdcanada.com

Dr. Satoyuki Kawano

Department of Aeronautics and Space Engineering

Tohoku University

Aoba Aramaki 01, Aoba-ku, Sendai 980-8579, JAPAN

Phone: +81-22-217-6980

Fax: +81-22-217-6979

E-mail: kawano@ad.mech.tohoku.ac.jp

Dr. Chris R. Kleijn

Delft University of Technology

Kramers Laboratorium voor Fysische Technologie

Prins Bernhardlaan 6, 2628 BW Delft, THE NETHERLANDS

Phone: +31-15-278-2835

Fax: +31-15-278-2838

E-mail: crkleijn@klft.tn.tudelft.nl

<http://pvp.dc.kumamoto-u.ac.jp/pvp2002/>

IHTC'12, 12th Int. Heat Transfer Conf.

Grenoble, France, August 18-23, 2002

Prof. J.M. Delhaye

CEA/GRENOBLE

Fax: +33-2-76-88-31-96

E-mail: DELHAYE@DTP.CEA.FR

<http://www.ihtc12.ensma.fr/>

17th International Symposium on Chemical Reaction Engineering

Hong Kong, China, August 25-28, 2002

ISCRE 17 Secretariat

Department of Chemical Engineering

Hong Kong University of Science and Technology

Clear Water Bay, Hong Kong, China

FAX : +65-2-2358-0054

E-mail : iscre17@ust.hk

An Announcement from Editor

The JSMF gives internet-service for ICMF members.

You can read updated ICeM NEWSLETTER by visiting JSMF homepage

<http://flow.human.nagoya-u.ac.jp/JSMF/index-e.html>.

15th International Congress of Chemical and Process Engineering (CHISA 2002)

Praha, Czech Republic, August 25-29, 2002
Scientific Committee
FAX : +42-02-2092-0661
E-mail : chisa@icpf.cas.cz

The 10th International Symposium on Flow Visualization (ISFV-10)

Kyoto, Japan, August 26-29, 2002
Prof. Masaaki KAWAHASHI
ISFV10-Conference Desk
Department of Mechanical Engineering,
Saitama University
255 Shimo-okubo, Saitama, Saitama 338-8570, Japan
TEL +81-48-858-3443
FAX +81-48-858-3711
E-mail: isfv10@vsj.or.jp
<http://vsj.or.jp/isfv10/>

2002 FALL TECHNICAL CONFERENCE

New Orleans, Louisiana, USA, September 8-11, 2002

Dr. Ismail B. Celik
Mechanical and Aerospace Engineering Department
West Virginia University
P.O. Box 6106, Morgantown WV 26506-6106 (USA)
Phone: (304) 293 3111 ext. 2325, Fax: (304) 293 6689

E-mail: celik@cemr.wvu.edu

Session organizers:

Dr. Ismail B. Celik
Mechanical and Aerospace Engineering Department
West Virginia University
P.O. Box 6106, Morgantown WV 26506-6106 (USA)
Phone: (304) 293 3111 ext. 2325, Fax: (304) 293 6689

E-mail: icelik@wvu.edu

Dr. Ibrahim Yavuz
Mechanical and Aerospace Engineering Department
West Virginia University
P.O. Box 6106, Morgantown WV 26506-6106 (USA)
Phone: (304) 293 3111 ext. 2466, Fax: (304) 293 6689

E-mail: iyavuz@coe.wvu.edu

4th International Symposium on Catalysis in Multiphase Reactors

Lausanne – Switzerland, September 22-25, 2002
E. Joannet (Secretariat)
FAX : +41-21-693-3190
E-mail : camure@dcmail.epfl.ch
<http://dcwww.epfl.ch/lgrc/camure>

Asian Pacific Confederation of Chemical Engineering (Apcche)

Christchurch, New Zealand, September 29 - October 3, 2002

Chemical and Process Engineering Dept.

University of Canterbury

Society of Chemical Engineers New Zealand

E-mail : apcche@cont.canterbury.ac.nz

<http://www.conference.canterbury.ac.nz/apcche>

Fall Meeting (Annual) of Korean Institute of Chemical Engineers

Seoul National University, Seoul, October 24-26, 2002

Professor Seung-Min Yang

Department of Chemical & Biomolecular Engineering, KAIST

Taejon 305-701, Korea

E-mail: smyang@mail.kaist.ac.kr

Tel: +82-42-869-3922

Fax: +82-42-869-3910

<http://www.kiche.or.kr>

8th Asian Conference on Fluidized - Bed and Thru-phase Reactors

Mandarin Hotel, Bangkok, Thailand, November 3-6, 2002

Prof. Somsak, D. and Prof. Wiwut, T.

Department of Chemical Technology

Faculty of Science, Chulalongkorn University, Thailand

FAX : +66-6-218-7526

E-mail : dsomsak@sc.chula.ac.th

<http://www.sc.chula.ac.th/ascon2002>

AIChE 2002 Annual Meeting

Indianapolis Convention Center, Indianapolis, IN, USA, November 3-8, 2002

Dr. G.V. Reklaitis

Purdue University

Email: aiche02@ecn.purdue.edu

Dr. Jennifer Sinclair

Purdue University

E-mail: aiche02@ecn.purdue.edu

<http://www.aiche.org/annual/index.htm>

ANS Winter Mtg.

Omni Shoreham Hotel, Washington, DC, USA, November 17-21, 2002

<http://www.ans.org/meetings>

The Fifth JSME-KSME Fluids Engineering Conference

Nagoya, Japan, November 17-21, 2002
Prof. Yasuhiko SAKAI (Nagoya University)
Tel: +81 52 789 4486
Fax: +81 52 789 3111
E-mail: ysakai@mech.nagoya-u.ac.jp

Dr. Hyung Jin SUNG (Korea Advanced Institute of Science and Technology)
Tel: +82 42 869 3027
Fax : +82 42 869 5027
E-mail: hjsung@kaist.ac.kr
<http://www.flow.human.nagoya-u.ac.jp/FEC5/>

SPACE TECHNOLOGY & APPLICATIONS INTERNATIONAL FORUM (STAIF – 2003)

Session A07. Boiling in Microgravity
Albuquerque (New Mexico, USA), February 2-6, 2003
Prof. Walter Grassi
Dipartimento di Energetica
Università di Pisa
via Diotisalvi, 2, 56126 Pisa, Italy
Phone +39.050.569646
Fax +39.050.830116
E-mail: w.grassi@ing.unipi.it
<http://www.unm.edu/~isnps/>

The 6th ASME-JSME Thermal Engineering Joint Conference

Hapuna Beach Prince Hotel, Kohala Coast, Hawaii Island, Hawaii, USA, March 16-20, 2003
Prof. Shigefumi Nishio
The University of Tokyo
Co-Chair (JSME)
Prof. Adrienne Lavine
University of California, Los Angeles
Co-Chair (ASME)
<http://www.jsme.or.jp/tesd/AJ2003.html>

THERMODYNAMICS HEAT and MASS TRANSFER of REFRIGERATION MACHINES and HEAT PUMPS

Valencia, Spain, March 31 - April 2, 2003
Prof. Corberán Salvador, José Miguel
Dept. of Thermodynamics
Catedrático/a de Universidad PDI
Universitat Politècnica de Valencia
Higher Technical School of Industrial Engineering
Camino de Vera s/n, 46020 Valencia, Spain
Tel. 34 963877323
Fax. 34 963877329
E-mail: corberan@ter.upv.es
<http://www.imst.upv.es>

M&C 2003: Nuclear Mathematical and Computational Sciences: a Century in Review, a Century Anew

Gatlinburg, TN, USA, April 6-10, 2003
Dr. Bernadette Kirk
E-mail: kirkbl@ornl.gov
<http://meetingsandconferences.com/MC2003/>

5th International Conference on Boiling Heat Transfer

Montego Bay, Jamaica, May 4-8, 2003
Prof. James F. Klausner
University of Florida
Department of Mechanical Engineering
Gainesville, FL 32611
Tel: 352-392-3506
Fax: 352-392-1071
E-mail: klaus@ufl.edu
<http://www.doce-conferences.ufl.edu/ICBHT/>

Turbulence and Shear Flow Phenomina-2003 (TSFP-3)

Sendai, Japan, June 25-27, 2003
<http://www.tsfp3.mes.titech.ac.jp>

14th Int. Sympo. on Transport Phenomena (ISTP-14)

Bali, Indonesia, July 6-10, 2003
<http://www.eng.ui.ac.id/istp/>

7th Triennial International Symposium on Fluid Control, Measurement and Visualization (FLUCOME'03)

Sorrento, Italy, July 21-24, 2003
Prof. Giovanni M. Carlomagno
Facoltà di Ingegneria DETEC
P.le Tecchio, 80, 80125 Napoli - ITALY
Tel (39) 081 7682178
Fax (39) 081 2390364
E-mail: flucome@unina.it
<http://www.flucome.unina.it>

6th International Conference on Gas-Liquid and Gas-Liquid-Solid Reactor Engineering

University of British Columbia, Vancouver, Canada, August 17-20, 2003
GLS-6 Secretariat
Fax : +1-604-822-1069
E-mail: registration @housing.ubc.ca

Transient Convective Heat and Mass Transfer in Single and Two-phase Flows

Cesme, Turkey, August 17-22, 2003

Professor Faruk Arinc

ICHMT Secretary General

Mechanical Engineering Department

Middle East Technical University

06531 Ankara, Turkey

Tel: +90-312-210 5214 & 1429

Fax: +90-312-210 1331 & 1266

E-mail: arinc@metu.edu.tr

<http://www.ichmt.org/Trcon-03>

Third European-Japanese Two -Phase Flow Group Meeting

Certosa di Pontignano, Pontignano - 53010 Vagliagli, Italy

September 21-27, 2003

Dr. Gian Piero Celata

ENEA Casaccia

E-mail: celata@casaccia.enea.it,

Prof. Iztok Zun

University of Ljubljana

E-mail: iztok.zun@fs.uni.lj.si

Prof. Akio Tomiyama

Kobe University

E-mail: tomiyama@mech.kobe-u.ac.jp

International Conference on Supercomputing in Nuclear Applications (SNA 2003)

Paris, France, September 22-24, 2003

<http://sna-2003.cea.fr/>

Tenth International Topical Meeting on Nuclear Reactor Thermal Hydraulics (NURETH-10)

Seoul, Korea, October 5-9, 2003

Won-Pil Baek, Ph.D.

Principal Researcher/General Project Manager

Thermal Hydraulic Safety Research Team

Korea Atomic Energy Research Institute

+82-42-868-8913

+82-11-9817-1667

E-mail: shchang@mail.kaist.ac.kr

<http://www.nureth10.org>

4th International Symposium on Turbulence, Heat and Mass Transfer

Antalya, Turkey, October 12-17, 2003

SYMPOSIUM CHAIRS:

Prof. K. Hanjalic, Chairman

Department of Applied Physics, Delft University of Technology

Lorentzweg 1, 2628 CJ Delft, The Netherlands

Tel: +31 15 278 1735

Fax: +31 15 278 1204

E-mail: hanjalic@ws.tn.tudelft.nl

Prof. Y. Nagano, Co-Chairman

Department of Mechanical Engineering, Nagoya

Institute of Technology

Gokiso-cho, Showa-ku, Nagoya 466-8555, Japan

Tel: +81 52 735 5325

Fax: +81 52 735 5359

E-mail: nagano@heat.mech.nitech.ac.jp

SYMPOSIUM SECRETARY

Prof. F. Arinc

Department of Mechanical Engineering, Middle East

Technical University,

06531 Ankara, Turkey

Tel: +90 312 210 5214

Fax: +90 312 210 1331

E-mail: arinc@metu.edu.tr

<http://www.ichmt.org/Thmt-03>

5th International Conference on Multiphase Flow (ICMF-2004)

Yokohama Pacifico Conference Center, Yokohama, Japan,

May 31- June 3, 2004

Conference Chairperson:

Prof. Y. Matsumoto

University of Tokyo

Temporary web site: <http://www.fel.t.u-tokyo.ac.jp/>

ICMF2004/

First circulation will be e-mailed soon.

Corresponding Members

CANADA

Prof. M.Kawaji

University of Toronto
TEL: +1-416-978-3064, FAX: +1-416-978-8605
E-MAIL: kawaji@ecf.toronto.edu

Prof. S.B.Savage

McGill University
TEL: +1-514-398-6864, FAX: +1-514-398-7361

FRANCE

Prof. J.M.Delhaye

CEA/GRENOBLE
TEL: +33-2-76-88-42-75, FAX: +33-2-76-88-31-96
TLX: 320 323,
E-MAIL: DELHAYE@DTP.CEA.FR

Prof. G.Gouesbet

INSA de Rouen
TEL: +33-2-35-52-83-91, FAX: +33-2-35-52-83-90

F.R.G.

Dr. J.Domnick

Fraunhofer-Institut fuer
TEL: +49-711-970-1762, FAX: +49-711-970-1004
E-MAIL: jhd@IPA.FhG.de

Prof. M. Sommerfeld

Martin-Luther-Universitat
TEL: +49-3461-462879(or 2806), FAX: +49-3461-462878
E-MAIL: martin.sommerfeld@vt.uni-halle.de

ITALY

Dr. G.P. Celata

Heat Transfer Unit Head
TEL: +39 6 3048 3905, FAX: +39 6 3048 3026
E-MAIL: celata@casaccia.enea.it,
TLX: 613296 ENEACAI

ISRAEL

Prof. G.Hetsroni

Israel Institute of Technology
FAX: +972-8-432-4538
E-MAIL: MERHGO1@TECHNION.BITNET

JAPAN

Prof. T.Fukano

Kyushu University, Fukuoka 812-8581, Japan
TEL: +81-92-641-9744 Ext.5440, FAX: +81-92-641-9744
E-MAIL: fukanot@mech.kyushu-u.ac.jp

Prof. M.Maeda

Keio University, Yokohama 223-0061, Japan
TEL: +81-45-563-1141 Ext.3120, FAX: +81-45-563-5943
E-MAIL: maeda@mech.keio.ac.jp

Prof. T.Masuyama

Tokai University, Shimizu, 424-8610, Japan
TEL: +81-543-34-0411 Ext.2278, FAX: +81-543-34-9840
E-MAIL: masuyama@scc.u-tokai.ac.jp

Prof. Y.Matsumoto

University of Tokyo, Tokyo 113-8656, Japan
TEL: +81-3-3812-2111 Ext.6286, FAX: +81-3-3818-0385
E-MAIL: ymats@mech.t.u-tokyo.ac.jp

Prof. K.Ohba

Kansai University, Osaka 564-8680, Japan
TEL: +81-6-6388-1121 Ext.5793, FAX: +81-6-330-63370
E-MAIL: ohbak@ipcku.kansai-u.ac.jp

Prof. A.Serizawa

Kyoto University, Kyoto 606-8501, Japan
TEL: +81-75-753-5829, FAX: +81-75-753-5845
E-MAIL: serizawa@kuiaie.kyoto-u.ac.jp

KOREA

Dr. M.K.Chung

Korea Advanced Institute of Science and Technology

Dept. of Mechanical Engineering
TEL: +82-42-869-3002, FAX: +82-42-861-1694

Prof. Yong Kang

Department of Chemical Engineering
College of Engineering
Chungnam National University
TEL: +82-42-821-5683,6600
FAX: +82-42-822-0098
E-MAIL: kangyong@hanbat.cnu.ac.kr

NORWAY

Prof. K.H.Bendiksen

Institute for Energiteknikk
TEL: +47-63-80-60-00
+47-63-80-62-01 (Direct Line)
FAX: +47-63-81-11-68

P.R.CHINA

Prof. H.Chen

The Ministry of Communications P.R.C
Water Borne Transportation Institute
TEL: +86-10-6-2018898, FAX: +86-10-6--2011659

Prof. L.Zhou

Tsinghua University
TEL: +86-10-6278-2231/5419
FAX: +86-10-6277-5569
TLX: 22617 QHTSC CN
E-MAIL:zhoulx@mail.tsinghua.edu.cn

RUSSIA

Prof. R.I.Nigmatulin

(Tyumen) Russian Academy of Sciences Siberian Branch,
TEL.FAX: [7] 3452/ 24-36-48
(Moscow) Michurinskii pr. 1, Institute of Mechanics
Lomonosov University of Moscow, Moscow, GSP, V-192,
119899, Russia
TEL.FAX: [7](0)95/939-30-88, FAX: [7](0)95/253-90-04
(Int. Line), TLX: 413311

SLOVENIA

Prof. I.Zun

University of Ljubljana
TEL.FAX: +386-61-1771-403
FAX: +386-61-1254-217
TLX: 32240 FAKSTR 51
E-MAIL: iztok.zun@fs.uni.lj.si

THE NETHERLANDS

Prof. B. Scarlett (tentative)

Department of Chemical Process
TEL: +31-15-783577, FAX: +31-15-784452

U.K.

Prof. G.F.Hewitt

Imperial College of Science, Technology and Medicine
TEL: +44-171-594-5562 or 5563 FAX: +44-171-594-5564 or 5604,
E-MAIL: g.hewitt@ic.ac.uk

U.S.A.

Prof. M.Ishii

Purdue University
TEL: +1-317-494-4587, FAX: +1-317-494-9570

Prof. R.T.Lahey, Jr.

Rensselaer Polytechnic Institute
TEL: +1-518-276-8579, FAX: +1-518-276-8788
E-MAIL: lahey@rpi.edu

Prof. M.C.Roco

National Science Foundation
TEL: +1-703-306-1371, FAX: +1-703-306-0319
E-MAIL: mroco@nsf.gov

Prof. Efstathios Michaelides

Leo S. Weil Professor and Associate Dean for
Graduate Studies and Research
School of Engineering
TEL: +1-504-865-5764, FAX: +1-504-862-8747
E-MAIL: emichael@mailhost.tcs.tulane.edu