



NEWSLETTER

President's Address

Report by the Secretary of the CC at the XXII ICTAM

Message from outgoing Secretary-General

Message from incoming Secretary-General

Short Report on IUTAM General Assembly, August 2008

IUTAM Symposia 2008, 2009, 2010 and 2011

IUTAM Summer Schools 2009 and 2010

IUTAM Home Page:

<http://www.iutam.net>

or: <http://www.iutam.org> or: <http://www.iutam.info>

International Union of Theoretical and Applied Mechanics

N-2008-2

October 2008

President's Address

Dear Colleagues,

As this message is being drafted, the recently concluded 22nd ICTAM in Adelaide, South Australia, is still fresh in my mind. It was, above all else, an enlightening and enjoyable scientific conference. Numerous factors contributed to its success -- a well-balanced program, excellent opening and closing lectures, better than expected attendance, the fresh perspectives of the many younger participants, the functionality of a well-suited venue, and a comfortable atmosphere conducive to informal discussions over coffee with friends and colleagues. The entire community is indebted to Congress President Ernie Tuck and Congress Secretary-General Jim Denier for their thoughtfulness and diligence in hosting the conference and making the necessary arrangements.

We are also grateful to Cambridge University Press and Elsevier Ltd. for sponsoring the major prizes -- the Batchelor Prize In Fluid Mechanics and the Hill Prize In Solid Mechanics -- which were awarded for the first time at the Congress to Howard Stone and Michael Ortiz, respectively.

This missive represents my last communication with the mechanics community as president of IUTAM. It has been an interesting and satisfying four years, with a number of the goals that were adopted four years ago having been met. I am indebted to colleagues, too numerous to mention individually, for their effort, sound advice and general support of IUTAM. In particular, the past presidents who remain active in the Union have been invaluable as beacons for showing the way. There are also the members of the Bureau and the Executive Committee of the Congress Committee who have been diligent and unselfish in advancing the best interests of IUTAM. Finally, I am delighted that Tim Pedley has agreed to serve as president for the next four years. His capable leadership will be important in guiding IUTAM in the course of its ongoing adjustments in perspective and sense of purpose.

Sincerely,
Ben Freund

**Report by the Secretary of the Congress Committee
presented at the Closing Ceremony of the
XXII ICTAM in Adelaide**

Another ICTAM has come and gone. It has been a wonderful Congress in a highly agreeable location. Although the numbers were down on the previous two ICTAMs (about 1200—instead of about 1500), this was predictable because of the great distance of Adelaide from almost anywhere else. In fact there were 1176 registered participants, including 142 students, from 62 different countries, up from 57. That the number of participating countries continues to increase is welcome evidence of the success of IUTAM in spreading interest and understanding in mechanics more widely across the world.

Some more statistics. The number of submitted papers was 1517. Of these, 43% were in fluid mechanics and 43% in solid mechanics, with 14% in topics of joint fluid and solid interest. This is the first time, at least in recent decades, that the number in fluid mechanics was as high as in solid mechanics; this may be associated with the increase from 9% in the interdisciplinary fluids and solids category. Of the submitted papers, the International Papers Committee (IPC) accepted 1323 (87%), 701 as lectures and 622 as seminar presentations; members of the IPC commented very favourably on the quality of the submissions. For the first time, the chairs of pre-nominated sessions (PNS) were entitled to invite up to two of the contributed lectures, without there being any possibility of these being rejected by the IPC. This was in addition to the (up to) three contributed lectures that mini-symposium chairs were entitled to invite, in addition to their introductory lectures. In the final programme the number of contributed lectures was 559 and seminars 304. Adding the 39 major invited lectures brings the grand total in the programme to 902. In the event a few of those whose papers were accepted did not come to the Congress (including, rather surprisingly, some who had already paid their registration), especially those accepted for seminar presentations, so the total number of papers actually presented was slightly reduced. The 'no-shows' among the programmed seminar presentations made those sessions, and the associated poster sessions, somewhat unsatisfactory. However, the quality of the presented papers was uniformly excellent, and the Congress was a great scientific success.

The chief innovation of this Congress was of course the awarding for the first time of two major prizes: the G.K. Batchelor Prize for Fluid Mechanics and the Rodney Hill Prize for Solid Mechanics. The former is sponsored by Cambridge University Press (CUP), publisher of the *Journal of Fluid Mechanics*, to honour the memory of George Batchelor who founded that journal in 1956.

The latter is sponsored by Elsevier, publisher of many solid mechanics journals, notably the *Journal of the Mechanics and Physics of Solids*, founded by Rodney Hill in 1952. Both prizes were awarded for major research achievements in the ten years 1998-2007; they are to be awarded every four years and are worth US\$ 25,000 each. The committees to select the prizewinners were set up in July 2007 and announced the results at the start of December, 2007. Everyone agrees that the two prizewinners, Howard Stone of Harvard University and Michael Ortiz of CalTech, are outstandingly worthy of the awards. The only criticism arose because the two prize lectures were placed in parallel in the ICTAM programme, so one could not hear both of them. The organisers of ICTAM 2012 will be asked to place the prize lectures consecutively not concurrently.

This has been a resoundingly successful Congress, both scientifically and organisationally. On behalf of the IUTAM Congress Committee, and all participants, I would like to express our profound thanks to the President of the Congress, Professor Ernie Tuck, and to the Secretary-General, Dr Jim Denier, for their immense contribution to ensuring that success.

Another member of the Local Organising Committee who should be singled out for our thanks is Dr Matt Finn, who was in charge of the ICTAM website and of the electronic abstract and short paper submission systems, which worked remarkably smoothly. Thanks should also go to the staff of the Adelaide Convention Centre, who were invariably helpful both in setting up events and in directing participants in the right direction, and to the large cohort of graduate students from the University of Adelaide who helped us all connect up our computerised presentations. The facilities in the Convention Centre – number and size of lecture rooms, poster and display hall, tea and coffee dispensing, etc., - were very impressive. We should also warmly thank those institutions that have provided sponsorship for the Congress, especially the University of Adelaide, the Australian Mathematical Society and the Australia and New Zealand Conference on

Industrial and Applied Mathematics, whose generosity enabled financial support to be given to 94 younger scientists and participants from countries with limited funds for the support of science.

On behalf of the Congress Committee, I would also like to thank the members of the International Papers Committee (IPC) for their dedicated hard work in evaluating and selecting the papers to be presented at the Congress. These were Professors John Brady, Peter Eberhard, Paul Linden, Hans Muhlhaus, Peter Monkewitz and Viggo Tvergaard (Peter Eberhard was prevented by illness from attending the IPC meeting, but had already done a lot of the assessment work). A lot of reading was required in February and March of this year, and culminated in an intense four day meeting in Adelaide at the end of March. The IPC were guided by the recommendations of the chairs of the mini-symposia and the pre-nominated sessions, and by the national committees of nine major countries: Canada, China, France, Germany, Japan, Poland, Russia, UK and USA. All those involved in the paper assessment process deserve our warm thanks.

Now I turn to decisions that the Congress Committee has made during the Congress. By the end of May this year the Committee had received three very strong invitations to host the 2012 ICTAM. These were from Beijing, Budapest and Montreal. The bids were presented to the Congress Committee by the prospective hosts and were discussed in great detail at the meetings of the Congress Committee on Sunday 24 August and Thursday 28 August. The final decision was made on Thursday by secret ballot. There was strong support for both Beijing and Montreal but in the end, as was announced at the banquet, the vote went to Beijing, so the 23rd ICTAM will be held in Beijing, China in the third week of August 2012.

Now I must report about membership of the Congress Committee. There are seven people retiring from the Committee, Professors Durban, Freund, Gudmundson, Kambe, Karihaloo, Lund and Monkewitz. I would like to thank them all for their hard work for the Committee, and perhaps give special mention to our President, Ben Freund, who had to chair both the Congress Committee and its Executive Committee in addition to all his other duties.

The seven new members of the Congress Committee, elected by the General

Assembly, are Professors Leslie Banks-Sills (Israel), Frédéric Dias (France, the new Secretary-General of IUTAM), Narinder Gupta (India), Yukio Kaneda (Japan), Jacques Magnaudet (France), Bob McMeeking (USA – nominated by ICF), and Ray Ogden (UK). They will serve for four years, in the first instance, from 1 November 2008.

The following fourteen members were re-elected for a second or third four-year term: Hassan Aref (USA), Nadine Aubry (USA), Dominique Barthès-Biesel (France), Martin Bendsøe (Denmark), Alberto Carpinteri (Italy), Geng-Dong Cheng (China), Irina Goryacheva (Russia), Tomasz Kowalewski (Poland), Stelios Kyriakides (USA), Pierre Ladevèze (France), Gary Leal (USA, nominated by ICR), André Thess (Germany), Viggo Tvergaard (Denmark), Dick van Campen (Netherlands). The new President of IUTAM, i.e. myself, will serve as Chairman of the Congress Committee, and the new Secretary will be Professor Hassan Aref.

The Congress Committee on 28 August appointed its new Executive Committee to be as follows, again from 1 November 2008:

Professors T J Pedley (President), H. Aref (Secretary), M P Bendsøe, T Kowalewski, B A Schrefler and D. van Campen. The Executive will work closely with the President and the Secretary-General of ICTAM 2012 in the build-up to the next Congress.

Finally I would like to conclude this report by re-iterating our sincere thanks to Ernie Tuck and Jim Denier for their warm hospitality and devoted efforts in making this Congress the success it has been.

Tim Pedley

Message from outgoing Secretary-General

Dear Colleagues,

After two consecutive four-year terms my duties as Secretary-General of IUTAM are ending on 1 November 2008. It has been an exciting period, which I have enjoyed at full length.

I wish to thank all of you for making my duties as Secretary-General to such a pleasant experience. This holds in particular for the members and observers of the General Assembly, the members of the Symposia Panels, the members of the Working Parties and the contacts in the Adhering and Affiliated Organizations.

Special thanks go to the members of two consecutive Bureaus for smooth and effective co-operation. I had the privilege of working under the profound leadership of two successive Presidents, who were so kind as to prevent me from too many pitfalls.

Last but not least I thank Ine van den Oever for all her devoted work in the framework of the IUTAM Secretariat and Patrick Anderson, who developed the current IUTAM website.

I am very pleased that the General Assembly has appointed Frederic Dias as my successor. With him daily IUTAM business will certainly be in good hands.

Finally, I am grateful that the General Assembly has appointed me as member-at-large for the period 2008-2012, so that contacts in the framework of IUTAM will continue with many of you.

Dick van Campen

Message from incoming Secretary-General

Dear Colleagues,

I consider it a great honor to have been elected to serve the Union as Secretary-General for the coming four years. I am fully aware of the challenge that the position imposes, particularly when my immediate predecessor is someone of the stature of Dick van Campen, with his very professional handling of IUTAM daily business.

I really look forward to working with you in the coming years. I have worked with some of you already and consider myself fortunate to have an extensive network of contacts and collaborators that I can reach and together we can strengthen our contribution to Theoretical and Applied Mechanics. My priorities in the next years will be to make the IUTAM website a unique tool for our community with state-of-the-art capabilities and to prepare a report on IUTAM's future publication policy.

I would like to thank Dick van Campen and the Bureau for all of their work to date and I aim to really rely on that excellent foundation to handle IUTAM daily business in harmony with its goals and objectives. I look forward to these next four years with enthusiasm and to meeting you at the first opportunity.

Frederic Dias

Short Report on IUTAM General Assembly, August 2008

(The complete summary record of the IUTAM General Assembly meeting will be published on the IUTAM website and in the IUTAM Report 2008)

The IUTAM General Assembly was held in two sessions on 26 and 27 August 2008 in the Adelaide Convention Centre, Adelaide, Australia. Among the items discussed and decided upon at the meeting were the following:

Matters concerning Adhering Organizations

The General Assembly warmly welcomed Mexico as a new full member of IUTAM. Prof. E. Ramos will be the Representative of Mexico in the IUTAM General Assembly.

The Adhering Organization from Brazil, ABCM, has decided to expand their representation in IUTAM to two votes. The additional Representative of ABCM in the General Assembly is Prof. J. Aranha.

Matters concerning Affiliated Organizations

IAVSD, the International Association for Vehicle System Dynamics, has appointed Prof. M. Berg, Sweden, as the new representative of IAVSD in IUTAM.

ICSU, the International Council of Science, has assigned the Scientific Associate status to our Affiliated Organization ICA, the International Commission on Acoustics.

The IUTAM Bureau appointed Prof. A. Norris, USA, as the new representative of IUTAM in ICA.

Matters concerning Working Parties

The General Assembly appointed Prof. O. Allix, France, as the new chairman of the WP-3 on Mechanics of Materials.

Application for 2008 ICSU Grants Programme awarded

The Vice-President, Prof. H.K. Moffatt, reported that IUTAM had submitted

a proposal for the 2008 ICSU Grants Programme, which was awarded in May 2008. The proposal, entitled “Fluid mechanics and Geophysics of Environmental Hazards”, addresses two of ICSU’s priority areas, namely, “Environmental Hazards and Disasters” and “Capacity Building”. The proposal embraces a two-week Spring School, to be held in Singapore from 19 April till 2 May 2009.

IUTAM Symposia 2010 and 2011

The General Assembly agreed on 15 IUTAM Symposia to be held in the years 2010 and 2011. These Symposia are listed hereafter in this Newsletter and also on the IUTAM website. The Bureau assigned the members of the Scientific Committees according to expertise in the fields of the Symposia and based on their geographical distribution.

IUTAM Summer Schools

The General Assembly agreed on one Spring School to be held in 2009 and two Summer School to be held in 2010 2006. More information on these Schools is given hereafter in this Newsletter and also on the IUTAM website.

Associated Membership

The General Assembly agreed on introducing a new category of membership, to be named Associated Membership, and approved the accompanying changes in the IUTAM Statutes.

The Associate Membership is meant for countries in the developing world that have significant teaching and/or research activity in theoretical and applied mechanics, but which, for one reason or another, have been unable to apply for membership of IUTAM.

The subscription dues for Associate Membership are set at the extremely modest level of one quarter of the normal Category 1 membership dues of IUTAM.

The benefits of Associate Membership are:

- The right to send a (non-voting) delegate to any IUTAM General Assembly;
- The right to send a participant, free of registration charge, to any Symposium or Summer School held under the auspices of IUTAM;
- The right to propose the holding of a Summer School in the home country

of the Associate Member; if approved, IUTAM would pay a grant 50% more than the standard grant offered for Summer Schools.

Election of members of the Bureau of IUTAM

The General Assembly elected the following members to the Bureau for the period 2004-2008:

Officers: Profs. T.J. Pedley (President), L.B. Freund (Vice-President), N. Olhoff (Treasurer) and F. Dias (Secretary-General).

Members: Profs. F. Chernousko, I. Goldhirsch, N. Gupta, A. Thess

Election of Members-at-Large

The General Assembly elected the following Members-at-Large for the period 2008-2012:

Profs. J.D. Achenbach, A. Acrivos, B. Boley, D.H. van Campen, J. Hult, H.K. Moffatt, R. Narasimha, F. Niordson, W. Schiehlen, T. Tatsumi, L. van Wijngaarden.

Election of members of the Congress Committee of IUTAM

This has been reported by the Secretary of the Congress Committee earlier in this Newsletter. The new membership of the Congress Committee from 1 November 2008 is recorded on the IUTAM website.

Symposia Panels

The General Assembly appointed:

- Prof. G. Leal as new chairman of the Symposia Panel for Fluid Mechanics for the period 2008-2012.
- Prof. V. Tvergaard as new chairman of the Symposia Panel for Solid Mechanics for the period 2008-2012.
- Prof. N. Peake as new member to the Symposia Panel for Fluid Mechanics for the period 2008 - 2012,
- Profs. N. Fleck and H. Gao as new members to the Symposia Panel for Solid Mechanics for the period 2008 - 2012.

The full new membership of the Symposia Panels is recorded on the IUTAM website.

Dick van Campen
Outgoing Secretary-General of IUTAM

IUTAM Symposia 2008

08-5 = GA.06-01 IUTAM Symposium on 150 Years of Vortex Dynamics

Place: **Lyngby, Denmark**
Date: **October 12-17, 2008**
Chairman: **Prof. H. Aref**
Virginia Tech, College of Engineering, 333 Norris Hall
(0217), VA 24061 Blacksburg, USA
email: haref@vt.edu

IUTAM Representative on Scientific Committee: Prof. H.K. Moffatt

08-6 = GA.06-11 IUTAM Symposium on Progress in the Theory and Numerics of Configurational Mechanics

Place: **Kaiserslautern, Germany**
Date: **October 20-24, 2008**
Chairman: **Prof. P. Steinmann**
University of Kaiserslautern, Applied Mechanics,
Gottlieb-Daimler-Strasse, 67653 Kaiserslautern,
Germany, **email:** ps@rhrk.uni-kl.de

IUTAM Representative on Scientific Committee: Prof. L.B. Freund

08-7 = GA.06-02 IUTAM Symposium on Turbulence in the Atmosphere and Oceans

Place: **Cambridge, UK**
Date: **December 08-12, 2008**
Chairman: **Prof. D.G. Dritschel**
University of St. Andrews, Department of Applied
Mathematics, North Haugh, St Andrews KY16 9SS,
UK, **email:** dgd@mcs.st-and.ac.uk

IUTAM Representative on Scientific Committee: Prof. H.K. Moffatt

08-8 = GA.06-10 IUTAM Symposium on Multi Functional Material Structures and Systems

Place: **Bangalore, India**
Date: **December 10-13, 2008**
Chairman: **Prof. B. Dattaguru**
Indian Institute of Science, Bangalore, Department of
Aerospace Engineering, Bangalore 560 012, India,
email: datgur@aero.iisc.ernet.in

IUTAM Representative on Scientific Committee: Prof. J. Dual

IUTAM Symposia 2009**GA.06-13 IUTAM Symposium on Dynamic Fracture and Fragmentation**

Place: **Albuquerque, USA**
Date: **2009, March 8-13, 2009**
Chairman: **Prof. K. Ravi-Chandar**
The University of Texas at Austin, Center for
Mechanics of Solids, Structures and Materials,
Austin, Texas, USA, **email:** kravi@mail.utexas.edu

IUTAM Representative on Scientific Committee: Prof. L.B. (Ben) Freund

GA.06-09 IUTAM Symposium on Emerging Trends in Rotor Dynamics

Place: **New Delhi, India**
Date: **2009, March 23-26, 2009**
Chairman: **Prof. K. Gupta**
Indian Institute of Technology, Delhi, Mechanical
Engineering Department, PO: IIT Haus Khas, New
Delhi – 10016, India, **email:** kgupta@mech.iitd.ernet.in

IUTAM Representative on Scientific Committee: Prof. D.H. van Campen

GA.06-08 IUTAM Symposium on Recent Advances of Acoustic Waves in SolidsPlace: **Taipei, China-Taipei**Date: **May 25-28, 2009**Chairman: **Prof. T.-T. Wu**National Taiwan University, Institute of Applied Mechanics, Taipei 106, China-Taipei,
email: wutt@ndt.iam.ntu.edu.tw

IUTAM Representative on Scientific Committee: Prof. J. Engelbrecht

GA.06-04 IUTAM Symposium on Laminar-Turbulent TransitionPlace: **Stockholm, Sweden**Date: **June 23-26, 2009**Chairman: **Prof. D. Henningson**Royal Institute of Technology (KTH), Department of Mechanics, Osquars Backe 18, SE-10044 Stockholm, Sweden, **email:** henning@mech.kth.se

IUTAM Representative on Scientific Committee: Prof. P. Huerre

GA.06-06 IUTAM Symposium on The Vibration Analysis of Structures with UncertaintiesPlace: **St. Petersburg, Russia**Date: **July 06-10, 2009**Chairman: **Prof. A. Belyaev**Russian Academy of Sciences, Institute of Problems in Mechanical Engineering, VO, Bolshoi pr. 61, St. Petersburg 199178, Russia, **email:** belyaev@director.ipme.ruCo-Chairman: **Prof. R. Langley**, University of Cambridge, Cambridge CB2 1TN, UK, **email:** rsl21@cam.ac.uk

IUTAM Representative on Scientific Committee: Prof. D.H. van Campen

GA.06-03 **IUTAM Symposium on The Physics of Wall-bounded Turbulent Flows on Rough Walls**Place: **Cambridge, UK**Date: **July 07-09, 2009**Chairman: **Dr. T.B. Nickels**University of Cambridge, Engineering Department,
Trumpington Street, Cambridge CB2 1PZ, UK,
email: tbn22@eng.cam.ac.uk

IUTAM Representative on Scientific Committee: Prof. A. Kluwick

GA.06-16 **IUTAM Symposium on Multiscale Modelling of Fatigue, Damage and Fracture in Smart Materials Systems**Place: **Freiberg, Germany**Date: **September 01-04, 2009**Chairman: **Prof. M. Kuna**Technische Universitaet Bergakademie Freiberg,
Institute of Mechanics and Fluid Dynamics, 09596
Freiberg, Germany,
email: Meinhard.Kuna@imfd.tu-freiberg.de

IUTAM Representative on Scientific Committee: Prof. W. (Wei) Yang

GA.06-05 **IUTAM-ISIMM Symposium on Mathematical Modeling and Physical Instances of Granular Flows**Place: **Reggio Calabria, Italy**Date: **September 13-17, 2009**Chairman: **Prof. J. Goddard**University of California at San Diego, Department of
Mechanical and Aerospace Engineering, 9500 Gilman
Drive, La Jolla, CA 92093-0411, USA,
email: jgoddard@ucsd.edu

IUTAM Representative on Scientific Committee: Prof. C. Cercignani

IUTAM Symposia 2010

GA.08-14 (=S.14) IUTAM Symposium on Nonlinear Dynamics for Advanced Technologies and Engineering Design (NDATED)

Place: **Aberdeen, UK**
Date: **July 27 – 30, 2010**
Chairman: **Prof. M. Wiercigroch,**
University of Aberdeen, School of Engineering, Centre for Applied Dynamics Research, Kings College, AB24 3UE Aberdeen, UK
email: m.wiercigroch@abdn.ac.uk

Co-Chairman: **Prof. G. Rega,**
Sapienza Universita di Roma, Dipartimento di Ingegneria Strutturale e Geotecnica, Via Antonio Gramsci 53, I 00197 Roma, Italy
email: giuseppe.rega@uniroma1.it

IUTAM Representative on Scientific Committee: Prof. D.H. van Campen

GA.08-01 (=F.2) IUTAM Symposium on Computational Aero-Acoustics (CAA) for Aircraft Noise Prediction

Place: **Southampton, UK**
Date: **2010, no exact dates available yet**
Chairman: **Prof. J. Astley**
University of Southampton, Institute of Sound and Vibration Research, Highfield, Southampton SO17 1BJ, UK, **email:** rja@isvr.soton.ac.uk

IUTAM Representative on Scientific Committee: Prof. A. Kluwick

GA.08-03 (=F.4) IUTAM Symposium on Bluff Body Wakes and Vortex-Induced Vibrations

Place: **Marseille, France**

Date: **2010, no exact dates available yet**

Co-Chairmen: **Prof. C.H.K. Williamson,**
Cornell University, Department of Mechanical and
Aerospace Engineering, 252 Upson Hall, NY 14853-7
Ithaca, USA , **email:** cw26@cornell.edu

Dr. T. Leweke,
CNRS / Universites Aix- Marseille I & II, Institut de
Recherche sur les Phenomenes Hors Equilibre (IRPHE)
49, rue F. Joliot-Curie - B.P. 146, F-13384 Marseille,
Cedex 13, France,
email: Thomas.Leweke@irphe.univ-mrs.fr

IUTAM Representative on Scientific Committee: Prof. P.A. Monkewitz

GA.08-07 (=S.1) IUTAM Symposium on Nonlinear Stochastic Dynamics and Control

Place: **Hangzhou, China**

Date: **2010, no exact dates available yet**

Co-Chairmen: **Prof. W.Q. Zhu,**
Zhejiang University, Department of Mechanics, 310027
Hangzhou, China,
email: wqzhu@yahoo.com

Prof. Y.K. Lin,
Florida Atlantic University, Center for Applied
Stochastics Research, 777 Glades Rd., 33431-0991 Boca
Raton, FL, USA,
email: linyk@fau.edu

IUTAM Representative on Scientific Committee: Prof. W. Schiehlen

GA.08-08 (=S.2) IUTAM Symposium on Surface Effects in the Mechanics of Nanomaterials and Heterostructures

Place: **Beijing, China**
Date: **2010, no exact dates available yet**
Co-Chairmen: **Prof. A. Cocks,**
University of Oxford, Department of Engineering
Science, Park Road, OX1 3PJ Oxford, UK
email: alan.cocks@eng.ox.ac.uk

Prof. J.-X. Wang,
Peking University, Dept. of Mechanics & Aerospace
Engineering, 100871 Beijing, China
email: jxwang@pku.edu.cn

IUTAM Representative on Scientific Committee: Prof. B.L. Karihaloo

GA.08-12 (=S.10) IUTAM Symposium on Analysis and simulation of human movement

Place: **Leuven, Belgium**
Date: **2010, no exact dates available yet**
Chairman: **Prof. J. van der Sloten**
K.U. Leuven, Faculty of Engineering BMGO,
Celestijnenlaan 300c, 3001 Leuven, Belgium
email: jos.vandersloten@mech.kuleuven.be

IUTAM Representative on Scientific Committee: Prof. F. Pfeiffer

GA.08-15 (=S.15) IUTAM Symposium on Dynamics Modeling and Interaction Control in Virtual and Real Environments

Place: **Budapest, Hungary**

Date: **2010, no exact dates available yet**

Chairman: Prof. G. Stépan
Budapest University of Technology and Economics,
Department of Applied Mechanics, Muegyetem rkp 5,
H-1111 Budapest, Hungary
email: stepan@mm.bme.hu

IUTAM Representative on Scientific Committee: Prof. F.L. Chernousko

IUTAM Symposia 2011

GA.08-09 (=S.3) IUTAM Symposium on Linking Scales in Computations: From Microstructure to Macro-scale Properties

Place: **Shalimar, FL, USA**
Date: **May 16-19, 2011**
Chairman: **Prof. O. Cazacu**
University of Florida, REEF, 1350 N. Poquito Road,
Shalimar FL, USA
email: cazacu@reef.ufl.edu

IUTAM Representative on Scientific Committee: Prof. J.B. Leblond

GA.08-04 (=F/S.1) IUTAM Symposium on 50 Years of Chaos: Applied and Theoretical

Place: **Kyoto, Japan**
Date: **November 28 – December 02, 2011**
Chairman: **Prof. T. Hikihara,**
Kyoto University, Department of Electrical Engineering,
Katsura, Nishikyō, Kyoto, 615-8510 Japan
Email: hikihara@kuee.kyoto-u.ac.jp

Co-Chairman: **Prof. T. Kambe**
Institute of Dynamical Systems, Higashi-yama 2-11-3
Meguro-ku, 153-0043 Tokyo, Japan
email: kambe@ruby.dti.ne.jp

IUTAM Representative on Scientific Committee: Prof. D.H. van Campen

GA.08-02 (=F.3) IUTAM Symposium on Bluff Body Flows

Place: **Kanpur, India**
Date: **2011, no exact dates available yet**
Co-Chairmen: **Prof. S. Mittal**,
Indian Institute of Technology, Department of
Aerospace Engineering, UP 208016 IIT Kanpur, India
email: smittal@iitk.ac.in

Prof. G. Biswas
Indian Institute of Technology, Department of
Mechanical Engineering, UP 208016 IIT Kanpur
India
email: gtm@iitk.ac.in

IUTAM Representative on Scientific Committee: Prof. T. Kambe

GA.08-05 (=F/S.2) IUTAM Symposium on Mechanics of Liquid and Solid Foams

Place: **Austin, TX, USA**
Date: **2011, no exact dates available yet**
Co-Chairmen: **Prof. S. Kyriakides**,
University of Texas at Austin, Center for Mechanics of
Solids, Structures and Materials, 210 East 24th Street,
WRW 110, TX 78712 Austin, USA
email: skk@mail.utexas.edu

Dr. A.M. Kraynik
Sandia National Laboratories, Dept. 9114-MS 0834,
NM 87185-0 Albuquerque, USA
email: amkrayn@sandia.gov

IUTAM Representative on Scientific Committee: Prof. N.A. (Norman) Fleck

GA.08-06 (=F/S.3) IUTAM Symposium on Computer Models in Biomechanics: From Nano to Macro

Place: **Stanford, CA, USA**
Date: **2011, no exact dates available yet**
Co-Chairman: **Dr. E. Kuhl**,
Stanford University, Dept. of Mechanical Eng &
Bioengineering, 496 Lomita Mall, Durand 217, CA-
94305-4 Stanford, USA
email: ekuhl@stanford.edu

Prof. G.A. Holzapfel
Head and Professor of Biomechanics, Graz University
of Technology, Institute for Biomechanics, Kronesgasse
5-I, 8010 Graz, Austria
email: holzapfel@tugraz.at

IUTAM Representative on Scientific Committee: Prof. J. Engelbrecht

GA.08-10 (=S.6) IUTAM Symposium on Full-field Measurements and Identification in Solid Mechanics

Place: **Cachan, France**
Date: **2011, no exact dates available yet**
Co-Chairmen: **Prof. D. Espinosa**,
Northwestern University, Department of Mechanical
Engineering, 60208-3111 Evanston IL, USA
email: espinosa@northwestern.edu
Prof. F. Hild
LMT-Cachan, 61 Avenue du President Wilson, F-94235
Cachan cedex, France
email: hild@lmt.ens-cachan.fr

IUTAM Representative on Scientific Committee: Prof. G. Maier

**GA.08-11 (=S.9) IUTAM Symposium on Human Body Dynamics:
From Multibody Systems to Biomechanics**Place: **Waterloo, Canada**Date: **2011, no exact dates available yet**Chairman: **Prof. J.J. McPhee**University of Waterloo, Department of Systems Design
Engineering, N2L 3G1 Waterloo, Canada
email: mcphee@real.uwaterloo.ca

IUTAM Representative on Scientific Committee: Prof. F.L. Chernousko

**GA.08-13 (=S.13) IUTAM Symposium on Impact Biomechanics in
Sport**Place: **Dublin, Ireland**Date: **2011, no exact dates available yet**Chairman: **Prof. M.D. Gilchrist**University College Dublin, Department of Mechanical
Engineering, Belfield, Dublin 4, Ireland
email: michael.gilchrist@ucd.ie

IUTAM Representative on Scientific Committee: Prof. D.H. van Campen

IUTAM Summer Schools 2009 and 2010**2009 IUTAM Spring School on Fluid Mechanics and Geophysics of Environmental Hazards**

Place: **National University of Singapore, Singapore**
Date: **April 19 – May 02, 2009**
Coordinator: **Prof. Boo Cheong Koo**
Institute of Mathematical Sciences, National University of Singapore, Singapore, **email: imssec@nus.edu.sg**

IUTAM Representative on Scientific Committee: Prof. H.K. Moffatt

2009 IUTAM Summer School on Mechanics in Microfluidics

Place: **Beijing, China**
Date: **2009, no exact dates available yet**
Coordinator: **Prof. C.-M. Ho**
University of California, Los Angeles, School of Engineering and Applied Science, Los Angeles, CA 90095-1597, USA
email: chihming@ucla.edu

2010 IUTAM Summer School on Simulation Based Engineering & Science for Nano Mechanics, Materials and Micro-/Nano Manufacturing

Place: **Evanston, IL, USA**
Date: **2010, no exact dates available yet**
Coordinator: **Prof. W. Liu**
Northwestern University, Department of Mechanical Engineering, 2145 Sheridan Road, IL 60208-3 Evanston, USA
email: w-liu@northwestern.edu

IUTAM Representative on Scientific Committee: Prof. J.D. Achenbach

2010

IUTAM-CISM Summer School on Modelling and Simulation of Multiscale Continuum System

Place:

Udine, Italy

Date:

2010, no exact dates available yet

Coordinator:

Prof. T.I. Zohdi

University of California at Berkeley, Dept. Of Mechanical Engineering, 6117 Etcheverry Hall, Mailstop 1740, CA 94720-1 Berkeley, USA

email: zohdi@me.berkeley.edu

Notice on IUTAM Symposia

The IUTAM Symposia are reserved to invited participants. Those wishing to participate in an IUTAM Symposium are therefore advised to please contact the Chairman of the Scientific Committee in due time in advance of the meeting.

As of January 1996 Springer Science and Business Media (named Kluwer Academic Publishers until 2004) is the official designated publisher of the refereed Proceedings of the IUTAM Symposia (in rare cases the Proceedings are published as special issues of appropriate journals).

A listing of all the published volumes may be found on the IUTAM website (see <http://www.iutam.net/iutam/Publications/index.php/3>).

Prior to the publication by Springer, a short report of an IUTAM symposium may be found on the IUTAM website, as published in the IUTAM Annual Reports.

IUTAM is a member of **ICSU**

Notice on availability of IUTAM Newsletter

The IUTAM Newsletter is available (free of charge) to whom it concern upon request from the IUTAM Secretary-General.

IUTAM Home Page:

<http://www.iutam.net>

or: **<http://www.iutam.org>** or: **<http://www.iutam.info>**