



NEWSLETTER

President's Address

From the Office of the Secretary-General

IUTAM Symposia 2006 and 2007

IUTAM Summer Schools 2006 and 2007

IUTAM General Assembly 2006

**International Congress, XXII ICTAM, Adelaide, Australia,
August 24-30, 2008**

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-2006-1

June 2006

President's Address

Dear Colleagues,

Elsewhere in this newsletter, Secretary-General Dick van Campen describes a proposal for creation of a new grade of IUTAM membership, presently called Associate Member. The objective of this proposal is to broaden opportunities for involvement in IUTAM among mechanics researchers who find it difficult to meet the criteria for regular membership, due to inadequate resources or absence of a national academic infrastructure. This proposal will be presented for consideration by the General Assembly of IUTAM at its upcoming meeting in August of 2006. The proposal is a component of the general effort to foster our discipline and its societal involvement more widely in the world.

On a broader scale, ICSU is in the process of establishing regional offices in Africa, the Arab Region, Asia & the Pacific, and Latin America & the Caribbean. The first of these was launched in Pretoria, South Africa in September of last year, and the second will be inaugurated in Kuala Lumpur, Malaysia in September of this year. ICSU announced recently that the regional office for Latin America & the Caribbean will be established in R o de Janeiro, Brazil; the location of the fourth regional office has not yet been determined. These offices can provide points of contact with our mechanics colleagues within the designated regions who do not yet participate in IUTAM.

Finally, a principal task for the Congress Committee of IUTAM at the upcoming General Assembly meeting is the organization of ICTAM 2008, to be held in Adelaide, Australia. Support from the community is crucial to making this Congress a success, and we encourage broad input on its organization through members or officers of the Congress Committee.

Ben Freund
President of IUTAM

From the Office of the Secretary-General

Proposals for IUTAM Symposia and Summer Schools for 2008 and 2009:

The call for proposals has resulted in 24 proposals for Symposia and 2 proposals for Summer Schools. These proposals are now subject to evaluation by the Symposia Panels and they will be discussed at the General Assembly in Providence.

Proposal on Associate Membership

There are a little over 170 countries in the world, at present only 49 of whom are adhered to IUTAM. So, there is a very long tail of countries where there is perhaps some activity in mechanics, while there is no prospect that they can meet even the minimum fee. Somehow IUTAM claims to represent the interest of scientists in mechanics throughout the world, and the overriding principle is that this is irrespective of race, nationality, ethnicity, etc. At its meeting last year in Adelaide, Australia, the Bureau agreed to constitute a subcommittee with the task to work out a proposal on Associate Membership for the General Assembly, thereby consulting with the WP-9. The subcommittee has constituted a proposal, which is supported by the Bureau and which is to be discussed at the General Assembly in Providence.

Matters concerning Affiliated Organizations

Following a suggestion by the Bureau, the Caribbean Congress of Fluid Dynamics (CACOFD) has transformed itself into a broader regional organization, named Latin American and Caribbean Congress of Theoretical and Applied Mechanics (LACCOTAM). In the beginning of 2008 LACCOTAM will organize its first Congress under the new name.

Matters concerning IUTAM Working Parties

In agreement with the principle of rolling chairmanship, approved at the previous General Assembly in Warsaw, the Bureau has prepared proposals for a change of the chair positions of several Working Parties. These are to be discussed at the General Assembly in Providence.

Dick van Campen
Secretary-General of IUTAM

IUTAM Symposia 2006

06-1 = GA.02-09 IUTAM Symposium on Multiscale Problems in Multibody System Contacts

Place: **Stuttgart, Germany**
Date: **February 20-23, 2006**
Chairman: **Prof. P. Eberhard**
University of Stuttgart, Institute of Engineering and Computational Mechanics, Stuttgart, Germany
Email: eberhard@mechb.uni-stuttgart.de

IUTAM Representative on Scientific Committee: Prof. W. Schiehlen

06-2 = GA 04-01 IUTAM Symposium on Interactions for Dispersed Systems in Newtonian and Viscoelastic Fluids

Place: **Guanajuato, Mexico**
Date: **March 26-31, 2006**
Chairman: **Prof. G.M. Homsy**
University of California at Santa Barbara, Department of Mechanical and Environmental Engineering, Santa Barbara, CA 93106-5070, USA
Email: bud@engineering.ucsb.edu
Co-Chairman: **Dr. J.R. Zenit**

IUTAM Representative on Scientific Committee: Prof. T. Kambe

06-3 = GA 04-13 IUTAM Symposium on Plasticity at the Micron Scale

Place: **Lyngby, Denmark**
Date: **May 21-25, 2006**
Chairman: **Prof. V. Tvergaard**
Technical University of Denmark, Dept. Mechanical Engineering, Solid Mechanics, Nils Koppels Alle, Building 404, DK-2800 Lyngby, Denmark
Email: viggo@mek.dtu.dk

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

**06-4 = GA 04-05 IUTAM Symposium on Hamiltonian Dynamics,
Vortex Structures, Turbulence**

Place: **Moscow, Russia**

Date: **August 25-30, 2006**

Chairman: **Prof. V.V. Kozlov**

Russian Academy of Sciences, 14 Leninsky Prospect,
119991 Moscow, Russia

Email: Kozlov@ras.ru

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

**06-5 = GA 04-16 IUTAM Symposium on Discretization Methods for
Evolving Discontinuities**

Place: **Lyon, France**

Date: **September 04 - 07, 2006**

Chairman: **Prof. A. Combescure**

INSA de Lyon, LaMCos, 20, Avenue Albert Einstein,
Bâtiment d'Alembert, F-69621 Villeurbanne, France

Email: alain.combescure@insa-lyon.fr

Co-Chairmen: Prof. T. Belytschko, Prof. R. de Borst

IUTAM Representative on Scientific Committee: Prof. N. Olhoff

**06-6 = GA 04-03 IUTAM Symposium on Computational Physics and
New Perspectives in Turbulence**

Place: **Nagoya, Japan**

Date: **September 11 - 14, 2006**

Chairman: **Prof. Y. Kaneda**

Nagoya University, Department of Computational
Science, Chikusa-ku, 464-8603 Nagoya, Japan

Email: kaneda@cse.nagoya-u.ac.jp

IUTAM Representative on Scientific Committee: Prof. R. Narasimha

06-7 = GA 04-15 IUTAM Symposium on Dynamics and Control of Nonlinear Systems with Uncertainty

Place: **Nanjing, China**
Date: **September 18 - 22, 2006**
Chairman: **Prof. H. Hu**
Nanjing University of Aeronautics and Astronautics, 29
Yudas Street, 210016 Nanjing, China
Email: hhayae@nuaa.edu.cn
Co-Chairman: Prof. E.J. Kreuzer

IUTAM Representative on Scientific Committee: Prof. W. Schiehlen

06-8 = GA.02-03 IUTAM Symposium on Flow Control with Mems

Place: **London, UK**
Date: **September 19-22, 2006**
Chairman: **Dr. J.F. Morrison**
Department of Aeronautics, Imperial College, London
SW7 2BY, UK
Email: j.morrison@ic.ac.uk

IUTAM Representative on Scientific Committee: Prof. C. Cercignani

06-9 = GA 04-14 IUTAM Symposium on Computational Contact Mechanics

Place: **Hannover, Germany**
Date: **November 5-9, 2006**
Chairman: **Prof. P. Wriggers**
Universität Hannover, Institut für Baumechanik und
Numensche Mechanik, Appelstrasse 9A, 30167
Hannover, Germany
Email: wriggers@ibnm.uni-hannover.de

IUTAM Representative on Scientific Committee: Prof. J. Salençon

IUTAM Symposia 2007**07-1 = GA 04-09 IUTAM Symposium on Relation of Shell, Plate, Beam and 3D Models**

Place: **Tbilisi, Georgia**
Date: **April 23 – 28, 2007**
Chairman: **Prof. G. Jaiani**
Deputy Director, Tbilisi State University, I. Vekua Inst.
Appl. Math., 2 University Str., 0143 Tbilisi, Georgia
Email: jaiani@viam.hepi.edu.ge

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

07-2 = GA 04-02 IUTAM Symposium on Recent Advances in Multiphase Flows: Numerical and Experimental

Place: **Istanbul, Turkey**
Date: **June 11-14, 2007**
Chairman: **Prof. A. Acrivos**
Levich Institute, Steinman Hall, City College of CUNY,
140th Street & Convent Avenue, New York, USA
Email: acrivos@scisun.sci.cuny.cuny.edu
Co-Chairman: Prof. C.F. Delale

IUTAM Representative on Scientific Committee: Prof. L. van Wijngaarden

07-3 = GA 04-06 IUTAM Symposium on Unsteady Separated Flows and their Control

Place: **Corfu, Greece**
Date: **June 18-22, 2007**
Chairman: **Dr. M. Braza**
Unite Mixte de Recherche, Institut de Mecanique des
Fluides de Toulouse, F-31400 Toulouse, France
Email: braza@imft.fr
Co-Chairman: Prof. K. Hourigan

IUTAM Representative on Scientific Committee: Prof. C. Cercignani

07-4 = GA 04-12 IUTAM Symposium on Scaling in Solid Mechanics

Place: **Cardiff, UK**
Date: **June 25-29, 2007**
Chairman: **Prof. F.M. Borodich**
Cardiff University, School of Engineering, Institute of
Theoretical, Applied and Computational Mechanics,
CF24 0YF Cardiff, UK
Email: BorodichFM@Cardiff.ac.uk

IUTAM Representative on Scientific Committee: Prof. J. Engelbrecht

**07-5 = GA 04-08 IUTAM Symposium on Fluid-Structure Interaction
in Ocean Engineering**

Place: **Hamburg-Harburg, Germany**
Date: **July 23-27, 2007**
Chairman: **Prof. E.J. Kreuzer**
TU Hamburg-Harburg, Arbeitsbereich Mechanik und
Meerestechnik, D-21071 Hamburg, Germany
Email: Kreuzer@tu-harburg.de

IUTAM Representative on Scientific Committee: Prof. N. Olhoff

**07-6 = GA 04-07 IUTAM Symposium on Swelling and Shrinking of
Porous Materials: From Colloid Science to Poro-
Mechanics**

Place: **Petrópolis-RJ, Brazil**
Date: **August 6-10, 2007**
Chairman: **Prof. M.A. Murad**
National Laboratory for Scientific Computing, 25651-
075 Quitandinha, Petrópolis-RJ, Brazil
Email: murad@Incc.br

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

07-7 = GA 04-04 IUTAM Symposium on Advances in Micro- and NanofluidicsPlace: **Dresden, Germany**Date: **September 06 - 08, 2007**Chairman: **Prof. N.A. Adams**

TU Dresden, Institut für Strömungsmechanik, George-Bär-Strasse 3c, D-01062 Dresden, Germany

Email: nikolaus.adams@ism.mw.tu-dresden.de

IUTAM Representative on Scientific Committee: Prof. C. Cercignani

07-8 = GA 04-10 IUTAM Symposium on Mechanical Properties of Cellular MaterialsPlace: **Cachan, France**Date: **September 17-21, 2007**Chairman: **Prof. H. Zhao**

LMT-Cachan, 61, Avenue du Président Wilson, 94235 Cachan Cedex, France

Email: zhao@lmt.ens-cachan.fr

Co-Chairman: Prof. N.A. Fleck

IUTAM Representative on Scientific Committee: Prof. Z. Zheng

07-9 = GA 04-11 IUTAM Symposium on Multi-Scale Plasticity of Crystalline MaterialsPlace: **Eindhoven, Netherlands**Date: **November 5-9, 2007**Chairman: **Prof. M.G.D. Geers**

Eindhoven University of Technology, Dept. Mechanical Engineering, P.O. Box 513, 5600 MB Eindhoven, Neth.

Email: m.g.d.geers@tue.nl

Co-Chairman: Dr. E.P. Busso

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

IUTAM General Assembly in 2006

The dates of the 2006 meetings of the General Assembly of IUTAM have been set at 12-13 August 2006 in Providence, Rhode Island, USA, with associated committees also meeting on 11 and 14 August.

The web site providing further information concerning the 2006 meetings of the IUTAM General Assembly and associated committees is available at <http://www.engin.brown.edu/iutam06>.

International Congress, XXII ICTAM, Adelaide 2008

August 24-30, 2008

The International Congresses on Theoretical and Applied Mechanics (**ICTAM**), organized every four years by IUTAM, bring together scientists from all over the world for the purpose of exchanging information about recent developments in the field.

Participation is unrestricted.

For further information see ICTAM home page,

<http://prandtl.maths.adelaide.edu.au/ictam2008/ICTAM2008.html>

or please contact:

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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 from January 1996, Kluwer Academic Publisher (now Springer Science and Business Media) is the preferred 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.

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

<http://www.iutam.net/iutam/Publications/index.php/3>).

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.

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