



# NEWSLETTER

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**From the Office of the Secretary General**

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**IUTAM Co-Sponsored Event 2016**

**International Congress, XXIV ICTAM, Montreal, August 2016**

**IUTAM Home Page:**

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

**International Union of Theoretical and Applied Mechanics**

**N-2016-1**

**June 2016**

## President's Address

As ICTAM2016 in Montreal is approaching, there have obviously been many discussions on details of the Congress. This is mainly handled by Maciej Floryan and his team in cooperation with the CC secretary Bob McMeeking, but I have also been involved. Many papers were submitted to the Congress, and Bob McMeeking reports that the IPC meeting went well, resulting in a high number of good quality papers selected for presentation. Thus we have good reasons to hope for a very successful Congress in Montreal. Related to the upcoming Congress is also the work of the Electoral Committee, where the five members appointed at the last GA meeting have worked on proposing members for the new Bureau to start on 1 November.

In the past year the organizers of two different large congresses have asked me to speak on behalf of IUTAM at the opening session and to subsequently give a plenary lecture. One was the 3rd Polish Congress of Mechanics in Gdansk, Poland, and the other was COBEM2015, 23rd ABCM International Congress of Mechanical Engineering, in Rio de Janeiro, Brazil. It was stimulating to see the strong interest in mechanics research in these two different IUTAM member countries: Poland, a big European country with strong traditions for mechanics research, and Brazil, a huge country with a fast growth in technology development and a corresponding growth in the need for our scientific fields.

Luckily, we have not this spring been subjected to attack in the form of phishing mails. Like last fall when many IUTAM colleagues received an email from the address [president.iutam@...](mailto:president.iutam@...), using my name, trying to trick them to send money to a professor with a travel problem. People who know me well could immediately see that I would not formulate an email that way, but I also received many email enquiries and calls.

The ICSU meeting of the International Scientific Unions was held in Paris 12-13 April. These Union meetings occur every three years, midway between the ICSU General Assemblies. I attended the meeting as the IUTAM representative in ICSU. A brief summary of the meeting is given elsewhere in this Newsletter.

June 2016  
Viggo Tvergaard, President of IUTAM  
Lyngby, Denmark

## **From the Office of the Secretary General**

### *IUTAM Report 2015:*

The IUTAM Report 2015 is now available online:

[http://iutam.org/wp-content/uploads/2010/02/annual\\_report\\_2015.pdf](http://iutam.org/wp-content/uploads/2010/02/annual_report_2015.pdf)

Printed versions will be available at ICTAM 2016.

### *Proposals for Symposia and Summer Schools 2018-2019:*

The call for proposals has resulted in 34 proposals for Symposia (10 in fluids, 19 in solids and 5 in fluids/solids) and 4 proposals for Summer Schools. The proposals are being evaluated by the Symposia Panels and they will be discussed by the General Assembly in Montreal.

### *IUTAM Prizes for Fluid Mechanics and for Solid Mechanics:*

The G K Batchelor Prize for 2016, sponsored by the Journal of Fluid Mechanics, Cambridge University Press, has been awarded to Professor Raymond E. Goldstein FRS, Schlumberger Professor of Complex Physical Systems in the Department of Applied Mathematics and Theoretical Physics and Fellow of Churchill College, University of Cambridge. Professor Goldstein received the prize for his pioneering research into active matter fluid mechanics, including work on collective behaviour in bacterial suspensions, synchronisation of flagella in eukaryotic cells and the surface interactions of swimming microorganisms. In particular, the Prize acknowledges the extraordinary degree of experimental sophistication employed to measure flow fields around active suspensions, which, coupled with theoretical insight, has led to significant advances in the understanding of cell transport and the evolution of multicellular systems. For more information, go to

<http://iutam.org/the-bachelor-prize-in-fluid-mechanics-2/>

The Rodney Hill Prize for 2016, founded and sponsored by Elsevier Limited and awarded under the auspices of IUTAM, has been awarded to Professor Raymond Ogden of the University of Glasgow, UK. Professor Ogden received the prize for his pioneering research in the development of the

continuum mechanics framework for the study of nonlinear material behavior and large deformation continuum mechanics. The constitutive law he proposed for rubber-like materials has been broadly adopted as a basis for numerical simulation. In the past ten years, he has developed computational models of arterial walls that have been integrated into most commercial finite element codes. More recently, he has also pioneered in the development of constitutive descriptions for large amplitude deformation of soft materials that exhibit electromagnetic behavior. For more information, go to

<http://iutam.org/the-rodney-hill-prize-in-solid-mechanics-3/>

*Procedia IUTAM :*

The new series was launched successfully in 2011. There are now 19 volumes available on the website:

<http://www.sciencedirect.com/science/journal/22109838>

Frédéric Dias  
Secretary General of IUTAM  
Cachan & Dublin

**Meeting of the International Papers Committee (IPC)  
held at Palais des congrès, Montréal, Canada  
1 April – 3 April, 2016**

The International Papers Committee (IPC) convened at the Palais des congrès, Montréal, Canada on 1st April, 2016 to select papers for presentation at the 24th International Congress of Theoretical and Applied Mechanics (ICTAM2016). The Congress will be held at the same venue in Montréal from 21st August to 26th August, 2016. The IPC consists of 3 members from fluids and 3 members from solids, plus the Secretary of the Congress Committee and the President of ICTAM2016, Maciej Floryan, both in attendance to support its work. The Committee was also fortunate to have Michèle Bourgeois-Doyle of the National Research Council of Canada and Laura Chajkowski and Sophie Deville, both of Legend Conference Planning, present to ensure the smooth running of the meeting. Their preparatory work in setting up the computerized system for record-keeping and decision-making greatly expedited the work of the IPC. The committee dealt with a total of 2,309 submissions, and met for 3 days to handle this large number of abstracts.

The submissions can be broken down into 20 plenaries and semi-plenaries (i.e. Sectional Lecturers) whose presentations are invited, 182 invited papers in Minisymposia and Thematic Sessions, plus 2,107 contributed abstracts. The latter consisted of 958 submissions in the fluids area and 1,149 in the solids fields, with some in each category falling into fluids-solids topics.

The IPC had received recommendations and reviews on all submitted papers from the Chairs of the Minisymposia and Thematic Sessions. In addition, nine large countries had review committees formed by their national associations, and these provided input in the form of recommendations on submissions coming from their respective countries. In addition, each Minisymposium and Thematic Session was authorized to have 4 invited speakers, with the understanding that the IPC would accept their submissions automatically. In the great majority of cases the IPC honored the recommendations of Chairs and national review committees. It is only the recommendations of the Chairs and national review committees, plus the prior extensive efforts of members of the IPC, that make it possible for the Committee to deal with 2,309 abstracts in just 3 days.

The IPC was pleased with the high quality of the submissions, and had great difficulty selecting papers for acceptance. The final numbers of papers accepted, including invited speakers in Minisymposia and Thematic Sessions, are 796 fluids papers, 998 solids ones and 255 in fluids/solids topics. In addition, there are 4 plenaries and 16 sectional lectures. These numbers are further broken down into 1,168 papers that were given full oral presentation slots, plus 901 that are to be presented in the format of a short presentation of a few minutes accompanied by a poster, an approach that is now designated "Short Talk and Poster."

As noted above, the IPC met for 3 full days and performed an enormous amount of work, both before the meeting and during the 3 days when it convened in Montréal. IUTAM is extremely grateful for the contribution made by the IPC, and notes that ICTAM would not be successful, or be of such high quality and impact, without the Committee's contribution.

Robert McMeeking  
Secretary to the IUTAM International Papers Committee  
Secretary of the IUTAM Congress Committee  
Santa-Barbara, USA

## ICSU Unions Meeting in Paris 2016

The ICSU Unions Meeting took place on 12 to 13 April 2016 in Paris, and VT represented IUTAM at this meeting (about ICSU see <http://www.icsu.org> ). ICSU has relations to UNESCO, and ICSU is now called International Council for Science. ICSU has currently 31 Scientific Union Members and 121 National Scientific Members (mainly Science Academies), but this meeting was only for the Unions and the ICSU leaders.

The previous afternoon, the Cluster for Physical, Chemical and Mathematical Sciences held a meeting in the ICSU building near Arc de Triomphe. The meeting was called by Bruce McKellar from pure and applied physics (IUPAP), and he also presented the conclusions the day after at the full meeting. It was noteworthy that the participants agreed on few things, but the meeting was friendly.

At the two-day meeting most of the items were information on various ICSU activities. These items will be listed in full in the next Annual Report. Here only a few items of special interest will be mentioned.

The organization now has a new logo, which mentions “International Council for Science” instead of ICSU. Thus the earlier plan to get rid of “U” is continued. There are currently negotiations on merging ICSU with ISSC (International Social Sciences Council). They are working on a new voting procedure for the General Assembly. Although the intended rules are not yet well specified, apparently they want less difference between Unions and National members, which will be to the advantage of the National members, as they are many more. A preliminary vote had shown much support by the National members, but surprisingly only about half of the Unions were against. The last afternoon was spent on a brainstorm on new or emerging global challenges that the scientific community should be helping to solve !

A more useful part of the meeting was the possibility to meet and exchange views with some other Union Presidents or contact persons. And to have longer conversations with people I already knew like the President Elect, Daya Reddy (Cape Town), and an executive board member John Ball (Oxford).

Report composed by Viggo Tvergaard, President of IUTAM

## IUTAM Symposia 2016

### **16-1 = GA.14-10 IUTAM Symposium on Filling gaps in material property space**

Place: Cambridge, UK  
Date: March 14 – March 16, 2016  
Chairman: **Prof. N. Fleck**  
Cambridge University  
Engineering Department  
Trumpington Street  
CB2 1PZ, Cambridge  
UK  
**Email:** [naf1@eng.cam.ac.uk](mailto:naf1@eng.cam.ac.uk)

IUTAM Representative on Scientific Committee: Prof. V. Tvergaard

### **16-2 = GA.14-12 IUTAM Symposium on Mechanics of stretchable electronics**

Place: Hangzhou, China  
Date: March 17 – March 18, 2016  
Chairman: **Prof. J. Song**  
Zhejiang University  
Zheda Road 38  
310027, Hangzhou, China  
**Email :** [jzsong@zju.edu.cn](mailto:jzsong@zju.edu.cn)  
**Website:** <http://iutam2016.zju.edu.cn/>

IUTAM Representative on Scientific Committee: Prof. H. Gao

**16-3 = GA.14-03 IUTAM Symposium on Helicity, structures and singularity in fluid and plasma dynamics**

Place: Palazzo Franchetti, Istituto Veneto, Venice, Italy

Date: April 11 – April 15, 2016

Chairman: **Prof. R. L. Ricca**

University of Milano-Bicocca

Department of Mathematics & Applications

Via Cozzi 55

20125, Milano

Italy

**Email:** [renzo.ricca@unimib.it](mailto:renzo.ricca@unimib.it)

**Website:**

[www.matapp.unimib.it/~ricca/IUTAM2016Venice/](http://www.matapp.unimib.it/~ricca/IUTAM2016Venice/)

IUTAM Representative on Scientific Committee: Prof. T. Pedley

**16-4 = GA.14-15 IUTAM Symposium on Advances in biomechanics of hearing**

Place: Stuttgart, Germany

Date: May 17 – May 20, 2016

Chairman: **Dr. P. Ziegler**

Institute of Engineering and Computational Mechanics

University of Stuttgart

Pfaffenwaldring 9

70569, Stuttgart, Germany

**Email :** [iutam2016@itm.uni-stuttgart.de](mailto:iutam2016@itm.uni-stuttgart.de)

Honorary Chairman: **Dr. A. Eiber**

**Website:** <http://www.itm.uni-stuttgart.de/iutam2016/>

IUTAM Representative on Scientific Committee: Prof. W. Schiehlen



**16-5 = GA.14-08 IUTAM Symposium on Dynamic instabilities in solids**

Place: Madrid, Spain  
Date: May 17 – May 20, 2016  
Chairman: **Prof. J. A. Rodríguez-Martínez**  
University Carlos III of Madrid  
Avenida de la Universidad, 30 28911  
Leganés, Spain  
**Email:** [jarmarti@ing.uc3m.es](mailto:jarmarti@ing.uc3m.es)  
Co-Chairman: **Prof. D. Rittel**  
Technion  
Faculty of Mechanical Engineering  
32000 Haifa, Israel  
**Email:** [merittel@technion.ac.il](mailto:merittel@technion.ac.il)  
**Website:** <http://iutam2016madrid.com/>

IUTAM Representative on Scientific Committee: Prof. K. Ravi-Chandar

**16-6 = GA.14-14 IUTAM Symposium on Nanoscale physical mechanics**

Place: Nanjing, China  
Date: May 23 – May 27, 2016  
Chairman: **Prof. W. Guo**  
Nanjing University of Aeronautics and Astronautics  
29, Yudao Street  
210016, Nanjing  
China  
**Email:** [wlguo@nuaa.edu.cn](mailto:wlguo@nuaa.edu.cn)  
**Website:** <http://iutam2016.csp.escience.cn/dct/page/1/>

IUTAM Representative on Scientific Committee: Prof. H. Gao

**16-7 = GA.14-16 IUTAM Symposium on Integrated computational structure-material modeling of deformation and failure under extreme conditions**

Place: Baltimore, USA  
Date: June 19 – June 22, 2016  
Chairman: **Prof. S. Ghosh**  
Johns Hopkins University, Baltimore, Maryland  
203 Latrobe, 3400 N. Charles Street  
21218 Baltimore, USA  
**Email:** [sghosh20@jhu.edu](mailto:sghosh20@jhu.edu)  
**Website:** <http://iutam2016ics.usacm.org/>

IUTAM Representative on Scientific Committee: Prof. B. Schrefler

**16-8 = GA.14-04 IUTAM Symposium on Jet noise modelling and control**

Place: Palaiseau, France  
Date: September 28 – September 30, 2016  
Chairman: **Prof. L. Lesshafft**  
Laboratoire d'Hydrodynamique  
École polytechnique  
91128, Palaiseau  
France  
**Email:** [lutz.lesshafft@ladhyx.polytechnique.fr](mailto:lutz.lesshafft@ladhyx.polytechnique.fr)

IUTAM Representative on Scientific Committee: Prof. P. Huerre

**16-9 = GA.14-01 IUTAM Symposium on Storm surge modelling and forecasting**

Place: Shanghai, China  
Date: October 17 – October 19, 2016  
Chairman: **Prof. H. Liu**  
Shanghai Jiao Tong University  
Mulan Building A-801, School of NAOCE, SJTU,  
800 Dongchuan Road  
200240 Shanghai  
China  
**Email:** [hliu@sjtu.edu.cn](mailto:hliu@sjtu.edu.cn)  
**Website:** <http://hydrodyn.sjtu.edu.cn/2016conf/>

IUTAM Representative on Scientific Committee: Prof. F. Dias

**16-10 = GA.14-09 IUTAM Symposium on Nonlinear and delayed dynamics of mechatronic systems**

Place: Nanjing, China  
Date: October 17 – October 21, 2016  
Chairman: **Prof. Z. Wang**  
Nanjing University of Aeronautics and Astronautics  
State Key Laboratory of Mechanics and Control of  
Mechanical Structures  
210016, Nanjing  
China  
**Email:** [zhwang@nuaa.edu.cn](mailto:zhwang@nuaa.edu.cn)  
Co-Chairman: **Prof. T. Insperger**  
Budapest University of Technology and Economics  
Department of Applied Mechanics  
Budapest, H-1521  
Hungary  
**Email:** [insperger@mm.bme.hu](mailto:insperger@mm.bme.hu)  
**Website:** <http://iutam2016.nuaa.edu.cn/>

IUTAM Representative on Scientific Committee: Prof. G. Stepan

## IUTAM Symposia 2017

### 17-1 = GA.14-07 **IUTAM Symposium on Computational mechanics of particle-functionalized fluid and solid materials for additive manufacturing and 3D printing processes**

Place: Berkeley, USA  
Date: May 29 – May 31, 2017  
Chairman: **Prof. T. Zohdi**  
University of California, Berkeley  
6117 Etcheverry Hall, Department of Mechanical Engineering, UC Berkeley  
94720-1740 Berkeley, United States  
**Email:** [zohdi@berkeley.edu](mailto:zohdi@berkeley.edu)  
**Prof. E. Shaqfeh**  
Stanford University, United States  
**Email:** [esgs@stanford.edu](mailto:esgs@stanford.edu)

IUTAM Representative on Scientific Committee: Prof. B. Schrefler

### 17-2 = GA.14-05 **IUTAM Symposium on Dynamics and topology of vorticity and vortices**

Place: Carry-le-Rouet, France  
Date: June 13 – June 16, 2017  
Chairman: **Prof. M. Brøns**  
Technical University of Denmark  
Department of Applied Mathematics and Computer Science  
2800 Kongens Lyngby, Denmark  
**Email:** [mobr@dtu.dk](mailto:mobr@dtu.dk)

IUTAM Representative on Scientific Committee: Prof. K. Moffatt

**17-3= GA.14-13 IUTAM Symposium on Multi-scale fatigue, fracture and damage of materials in harsh environments**

Place: Galway, Ireland  
Date: August 28 – September 1, 2017  
Chairman: **Prof. P. O'Donoghue**  
National University of Ireland Galway  
University Rd  
Galway, Ireland  
**Email:** [padraic.odonoghue@nuigalway.ie](mailto:padraic.odonoghue@nuigalway.ie)

IUTAM Representative on Scientific Committee: Prof. V. Tvergaard

**17-4 = GA.14-02 IUTAM Symposium on Wind waves**

Place: London, UK  
Date: September 4 – September 8, 2017  
Chairman: **Prof. R. Grimshaw**  
University College London  
Department of Mathematics  
Gower Street  
WC1E 6BT London, UK  
**Email:** [r.grimshaw@ucl.ac.uk](mailto:r.grimshaw@ucl.ac.uk)

IUTAM Representative on Scientific Committee: Prof. F. Dias

**17-5 = GA.14-06 IUTAM Symposium on Co-simulation and solver coupling – Recent developments in theory and application**

Place: Darmstadt, Germany  
Date: **2017, no exact dates available yet**  
Chairman: **Prof. B. Schweizer**  
Department of Mechanical Engineering  
Institute of Structural Dynamics  
Technische Universität Darmstadt  
Petersenstrasse 30  
64287 Darmstadt, Germany  
**Email:** [schweizer@sds.tu-darmstadt.de](mailto:schweizer@sds.tu-darmstadt.de)

IUTAM Representative on Scientific Committee: Prof. P. Eberhard

**17-6= GA.14-11 IUTAM Symposium on Multiscale modelling of dislocations**

Place: Oxford, UK  
Date: **2017, no exact dates available yet**  
Chairman: **Prof. S. Fitzgerald**  
University of Oxford  
Department of Materials  
Parks Road OX1 3PH, Oxford, UK  
**Email:** [steven.fitzgerald@materials.ox.ac.uk](mailto:steven.fitzgerald@materials.ox.ac.uk)

IUTAM Representative on Scientific Committee: Prof. W. Yang

## IUTAM Summer School

### 2016 IUTAM-CISM Summer School on Biological and Bio-inspired Fluid Mechanics

Place: Udine, Italy  
Event dates: July 4 – July 8, 2016  
Coordinators: **Prof. C. Eloy**  
IRPHE, Aix-Marseille University  
49 rue Joliot Curie  
13013 Marseille, France  
**Email:** [eloy@irphe.univ-mrs.fr](mailto:eloy@irphe.univ-mrs.fr)

**Dr Eric Lauga**  
DAMTP, University of Cambridge  
Wilberforce Road, Cambridge CB3 0WA, UK  
**Email:** [e.lauga@damtp.cam.ac.uk](mailto:e.lauga@damtp.cam.ac.uk)

## IUTAM Co-Sponsored Event

### 2016 ICFDA16 International Conference on Fractional Differentiation and its Applications

Place: Novi Sad, Serbia  
Date: July 18 – July 20, 2016  
Coordinators: **Prof. Dragan Spasic**  
**Email:** [spasic@uns.ac.rs](mailto:spasic@uns.ac.rs)

**Prof. Teodor Atanackovic**  
**Email:** [atanackovic@uns.ac.rs](mailto:atanackovic@uns.ac.rs)

**Website:** [www.icfda16.com](http://www.icfda16.com)

**International Congress, XXIV ICTAM, Montreal, 2016****August 21-26, 2016**

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://www.ictam2016.org/>

**or please contact:**

Professor Robert McMeeking  
Secretary of the IUTAM Congress Committee  
UC Santa Barbara  
Email: [rmcm@engineering.ucsb.edu](mailto:rmcm@engineering.ucsb.edu)

***Opening and Closing Lecturers***

*Opening Lecturer:* Professor W. Richard Peltier (Canada)

*Closing Lecturer:* Professor Norman Fleck (UK)

***Sectional Lecturers in Fluids:***

John Bush, Tim Colonius, Anette Hosoi, Alex Smits, Eberhard Bodenschatz,  
Javier Jimenez

***Sectional Lecturers in Fluids-Solids:***

Charbel Farhat, George Haller, Haiyan Hu

***Sectional Lecturers in Solids:***

Peter Hunter, Samuel Forest, John Rogers, Basile Audoly, Daining Fang,  
Zhigang Suo, Patrick Onck



## ***Minisymposia***

### *MS 01: Bypass Transition*

Co-chairs:

Professor Bruno Eckhardt (Germany)

Professor Michael Graham (USA)

### *MS 02: Fluid Active Matter*

Co-chairs:

Professor Eric Lauga (UK)

Professor Roman Stocker (USA)

### *MS 03: Multiphase Flow in the Processing Industry*

Co-chairs:

Professor Patrick Anderson (The Netherlands)

Professor Staffan Lundström (Sweden)

### *MS 04: Nonlinear Dynamics in Engineering Systems*

Co-chairs:

Professor Giuseppe Rega (Italy)

Professor Dick van Campen (The Netherlands)

### *MS 05: Soft Solid Active Matter*

Co-chairs:

Professor Vikram Deshpande (UK)

Professor Zhigang Suo (USA)

### *MS 06: Topology Optimization*

Co-chairs:

Professor Ole Sigmund (Denmark)

Professor Fred van Keulen (The Netherlands)

## Thematic Sessions

### Fluid Mechanics

<b>FM1</b>	Biological fluid dynamics
<b>FM2</b>	Boundary layers
<b>FM3</b>	Combustion and flames
<b>FM4</b>	Compressible flow
<b>FM5</b>	Convection
<b>FM6</b>	Drops, bubbles and multiphase flows
<b>FM7</b>	Flow instability and transition
<b>FM8</b>	Flow in thin films
<b>FM9</b>	Geophysical and environmental fluid dynamics
<b>FM10</b>	Low Reynolds number flows
<b>FM11</b>	Micro- and nano-fluidics
<b>FM12</b>	Non-Newtonian and complex fluids
<b>FM13</b>	Computational fluid dynamics
<b>FM14</b>	Turbulence
<b>FM15</b>	Vortex dynamics
<b>FM16</b>	Waves in fluids
<b>FM17</b>	Other topics in fluid mechanics

### Solid Mechanics

<b>SM1</b>	Biomechanics and biomaterials
<b>SM2</b>	Contact and friction
<b>SM3</b>	Damage mechanics
<b>SM4</b>	Elasticity
<b>SM5</b>	Fracture mechanics
<b>SM6</b>	Geophysics and geomechanics
<b>SM7</b>	Impact and wave propagation
<b>SM8</b>	Multi-component materials and composites
<b>SM9</b>	Phase transformations and thermomechanical phenomena
<b>SM10</b>	Sizescale effects in materials
<b>SM11</b>	Multibody and vehicle dynamics
<b>SM12</b>	Nanostructures and MEMS
<b>SM13</b>	Plasticity, viscoplasticity and creep
<b>SM14</b>	Stability of structures
<b>SM15</b>	Computational solid mechanics
<b>SM16</b>	Vibrations and control of structures
<b>SM17</b>	Other topics in solid mechanics

**Topics involving both fluid mechanics and solid mechanics**

<b>FS1</b>	Acoustics
<b>FS2</b>	Exascale computing
<b>FS3</b>	Experimental methods in mechanics
<b>FS4</b>	Chaos and pattern formation
<b>FS5</b>	Porous media
<b>FS6</b>	Fluid structure interactions
<b>FS7</b>	Actuating and smart materials
<b>FS8</b>	Granular materials and flows
<b>FS9</b>	Foams and cellular materials
<b>FS10</b>	Education in mechanics

## **Notice on IUTAM Symposia**

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

**IUTAM is a member of ICSU**  
**<http://www.icsu.org>**

## **Notice on availability of IUTAM Newsletter**

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