



# NEWSLETTER

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**IUTAM Home Page:**

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

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

**International Union of Theoretical and Applied Mechanics**

**N-2012-2**

**October 2012**

## President's Address

I was a bit ahead of myself in my June message, saying that it was my last – I had forgotten that I would have one more to write in October! There are only two items to occupy me this time, however. The first is to reflect on our experience at the 23rd ICTAM in Beijing in August, and to express our pleasure at its success. Particularly satisfying was the extremely high quality of all the invited lectures: Sectional Lectures, Mini-Symposium Introductory Lectures and, especially, the Opening and Closing Lectures and the G K Batchelor and Rodney Hill Prize Lectures. It was a real privilege to be able to listen to them and to learn from them. The quality of the contributed lectures was also very high, thanks to the hard work of the International Papers Committee, though the number of no-shows was somewhat disappointing. (One particular surprise was the non-appearance of some authors who had paid their registration fee!) From the scientific point of view the only weakness was the layout of the poster screens – the spaces between the rows were too narrow, and individual posters identified in the program were hard to find. The opening party, the Welcome Reception and the Banquet were all most enjoyable and provided an opportunity to sample a variety of dishes. The everyday lunches in the Congress Center were not particularly good (or Chinese) but there were many interesting food stalls in the park outside for participants to sample. As President I had rather too many committee meetings to chair, from the General Assembly to the Executive Committee of the Congress Committee, but I think they all got through their business satisfactorily. The rooms were all convenient and we owe the local organising committee of Professors Yilong Bai, Jianxiang Wang, Haiyan Hu and their colleagues our warmest thanks for all the hard work they put in to making the Congress such a success. During the week, the Congress Committee performed its most important task efficiently, and by an overwhelming vote selected Montreal, Canada as the site of the 24th ICTAM in 2016. We wish Professor Maciej Floryan and his team all good wishes in organising another superlative ICTAM.

My second topic can be very brief. It is to express my great personal pleasure that Professor Viggo Tvergaard, from Denmark, has been elected as the next President of IUTAM. His distinguished research career in Solid Mechanics is widely respected and needs no elaboration here. His incisive mind and his calm amiability will ensure that all the IUTAM bodies – indeed the science

of Mechanics across the world – will be in exceptionally good hands for the next four years. Professor Tvergaard takes over as President on 1 November this year.

October 2012

Tim Pedley  
President of IUTAM  
Cambridge

### **Report by the Acting Secretary of the Congress Committee for the CC and XCCC meetings at the XXIII ICTAM in Beijing**

ICTAM XXIII in Beijing has been a wonderful Congress in a highly agreeable location. The number of participants slightly exceeded those of the ICTAM in Warsaw. In fact, there were 1561 registered participants from 60 different countries. This is welcome evidence of the success of IUTAM in spreading interest and understanding in mechanics more widely across the world.

Let me provide some more statistics. The number of submitted papers was 1887. Of these, 36% were in fluid mechanics and 44% in solid mechanics, with 20% in topics of joint fluid and solid interest. For this ICTAM and the previous one a steady increase in the interdisciplinary fluids and solids category can be observed: 6% for ICTAM2012 and 9% for ICTAM2008. Of the submitted papers, the International Papers Committee (IPC) accepted 1577 (84%), 971 as lectures and 606 as seminar presentations; members of the IPC commented very favourably on the quality of the submissions. As for the previous ICTAM, 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 881 and seminars 499. Adding the 47 major invited lectures brings the grand total in the programme to 1427. In the end a number of those whose papers were accepted did not come to the Congress, especially those accepted for seminar presentations, so the total number of papers actually presented was contributed lectures 834, seminars 390. 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.

At ICTAM2012 the two major prizes have been awarded for the second time: 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 2002-2011; they are to be awarded every four years and are worth US\$ 25,000 each. The committees to select the prizewinners were set up and announced the results at the start of December, 2011. Everyone agrees that the two prizewinners, Detlef Lohse of the University of Twente and Huajian Gao of Brown University, are outstandingly worthy of the awards.

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 Yilong Bai, and to the Secretary-General, Professor Jianxiang Wang, for their immense contribution to ensuring that success. Additionally, also the other members of the Local Organizing Committee are to be thanked for their contributions to the success of the Congress.

Thanks should also go to the staff and graduate students, who were invariably helpful in setting up events, in directing participants in the right direction, and in helping us all connect up our computerised presentations. We should also warmly thank many institutions that have provided sponsorship for the Congress, especially the China Association for Science and Technology, the Natural National Science Foundation of China and the

Institute of Mechanics of the Chinese Academy of Sciences, whose generosity enabled financial support to a number of 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, Gengdong Chen, Bruno Eckhardt, Peter Eberhard, Paul Linden, Henrik Petryk. A lot of reading was required in February and March of this year, and culminated in an intense four day meeting in Lyngby 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 beginning of July this year the Committee had received four very strong invitations to host the 2016 ICTAM. These were from Montreal, Hyderabad, Milano and Lund. 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 19 August and Thursday 23 August. The final decision was made on Thursday by secret ballot. As was announced at the Congress banquet, the vote went to Montreal, so the 24th ICTAM will be held in Montreal, Canada from 21-26 August 2016.

Now I must report about membership of the Congress Committee. The following people are retiring from the Committee: Professors Aubry, Barthès-Biesel, Bendsoe, Carpinteri, Cheng, Goryacheva, Kowalewski, Kyriakides, Ladevèze, Leal, Ogden and Thess. I would like to thank them all for their hard work for the Committee, and perhaps give special mention to our President, Tim Pedley, who had to chair both the Congress Committee and its Executive Committee in addition to all his other duties.

The General Assembly elected the following new members of the Congress Committee: Professors Patrick Huerre (France), Ann Karagozian (USA), Renzo Piva (Italy), Eric Shaqfeh (USA), Jens Walther (Denmark), Horacio Espinoza (USA), Huajian Gao (USA), Djimedo Kondo (France), Tianjian Lu

(China), Nikos Makris (Greece), Valery Matveenko (Russia). They will serve for four years, in the first instance, from 1 November 2012.

The following members were re-elected for a second or more four-year term: Leslie Banks-Sills (Israel), Dick van Campen (Netherlands), Frederic Dias (France, also Secretary-General of IUTAM), Narinder Gupta (India), Yukio Kaneda (Japan), Jacques Magnaudet (France), Bob McMeeking (USA).

The new President of IUTAM, Viggo Tvergaard, will serve as Chairman of the Congress Committee, and the new Secretary will be Professor Bob McMeeking.

The Congress Committee on 23 August appointed its new Executive Committee to be as follows, again from 1 November 2012: Professors V. Tvergaard (President), R. McMeeking (Secretary), D. van Campen, B. Eckhardt, J. Magnaudet and G. Stépan.

The Executive will work closely with the President and the Secretary-General of ICTAM 2016 in the build-up to the next Congress.

Finally I would like to conclude this report by re-iterating our sincere thanks to Yilong Bai and Jianxiang Wang for their warm hospitality and devoted efforts in making this Congress the success it has been.

Dick van Campen

## **Short Report on IUTAM General Assembly, August 2012**

*(The complete summary record of the IUTAM General Assembly meeting will be published in the IUTAM Report 2012)*

The IUTAM General Assembly was held in two sessions on 21 and 22 August 2012 in Beijing, China. Among the items discussed and decided upon at the meeting were the following:

### *Matters concerning Adhering Organizations*

The General Assembly agreed to suspend the membership of Argentina.

### *Matters concerning Working Parties*

The General Assembly appointed Prof. J. Fish as the new chairman of the WP-5 on Computational Fluid and Solid Mechanics.

### *IUTAM Symposia 2014 and 2015*

The General Assembly agreed on 17 IUTAM Symposia to be held in the years 2014 and 2015. 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 School to be held in 2013 and one in 2014. Both are IUTAM-CISM Summer Schools. More information on these Schools is given hereafter in this Newsletter and also on the IUTAM website.

### *Election of members of the Bureau of IUTAM*

The General Assembly elected the following members to the Bureau for the period 2012-2016:

Officers: Profs. V. Tvergaard (President), T. Pedley (Vice-President), P. Eberhard (Treasurer) and F. Dias (Secretary-General);

Members: Profs. B. Schrefler, N. Aubry, M. Rubin, W. Yang

### *Election of Members-at-Large*

The General Assembly elected the following Members-at-Large for the period 2012-2016:

Prof. J.D. Achenbach, A. Acrivos, B. Boley, D.H. van Campen, B. Freund, J. Hult, G. Maier, H.K. Moffatt, N. Olhoff, R. Narasimha, W. Schiehlen, T. Tatsumi, L. van Wijngaarden.

*Election of members of the Congress Committee of IUTAM*

This has been reported by the Acting Secretary of the Congress Committee earlier in this Newsletter. The new membership of the Congress Committee from 1 November 2012 is recorded on the IUTAM website.

*Symposia Panels*

The General Assembly appointed:

- Prof. G. Leal as chairman of the Symposia Panel for Fluid Mechanics for the period 2012-2016
- Prof. N. Fleck as new chairman of the Symposia Panel for Solid Mechanics for the period 2012-2016
- Profs. J.B. Leblond and A. Corigliano as new members to the Symposia Panel for Solid Mechanics for the period 2012-2016

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

*Procedia IUTAM :*

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

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

Frédéric Dias  
Secretary General of IUTAM  
Cachan & Dublin



## IUTAM Symposia 2012

### 12-10= GA.10-06 IUTAM Symposium on Particle methods in fluid mechanics

Place: Kgs. Lyngby, Denmark  
Date: October 15 – October 17, 2012  
Chairman: **Prof. J.H. Walther**  
Department of Mechanical Engineering  
Technical University of Denmark  
2800 Kgs. Lyngby  
Denmark  
**Email:** [jhw@mek.dtu.dk](mailto:jhw@mek.dtu.dk)  
**Website:**  
<http://indico.conferences.dtu.dk/conferenceDisplay.py?confId=115>

IUTAM Representative on Scientific Committee: Prof. F. Dias

### 12-11= GA.10-11 IUTAM Symposium on Advances of optical methods in experimental mechanics

Place: Hsinchu, China-Tapei  
Date: November 03 – November 06, 2012  
Chairman: **Prof. W.-C. Wang**  
National Tsing Hua University  
Department of Power Mechanical Engineering  
30013 Hsinchu  
Taiwan  
**Email:** [wawang@pme.nthu.edu.tw](mailto:wawang@pme.nthu.edu.tw)  
**Website :** <http://www.iutam2012.tw/>

IUTAM Representative on Scientific Committee: Prof. B. Freund

## IUTAM Symposia 2013

### **13-1 = GA.10-04 IUTAM Symposium on Vortex dynamics: formation, structure and function**

Place: Fukuoka, Japan  
Date: March 10 – March 14, 2013  
Chairman: **Prof. Y. Fukumoto**  
Kyushu University  
Faculty of Mathematics  
744 Motooka, Nishi-ku  
819-0395 Fukuoka Japan  
**Email:** [yasuhide@math.kyushu-u.ac.jp](mailto:yasuhide@math.kyushu-u.ac.jp)  
**Website :** <http://www.iutam2013vortex.jp/>

IUTAM Representative on Scientific Committee: Prof. G.J. van Heijst

### **13-2 = GA.10-05 IUTAM Symposium on Nonlinear interfacial wave phenomena from the micro to the macro- scale**

Place: Limassol, Cyprus  
Date: April 14 – April 18, 2013  
Chairman: **Prof. D. Papageorgiou**  
Imperial College of London  
Department of Mathematics  
Huxley Building, 180 Queen's gate  
SW7 2AZ London UK  
**Email:** [d.papageorgiou@imperial.ac.uk](mailto:d.papageorgiou@imperial.ac.uk)  
**Website:** <http://www.cut.ac.cy/IUTAM>

IUTAM Representative on Scientific Committee: Prof. F. Dias

**13-3 = GA.10-10 IUTAM Symposium on Recent developments in impact testing of materials and structures**

Place: Xi'an, China  
Date: May 06 – May 10, 2013  
Chairman: **Prof. Y. Li**  
School of Aeronautics  
Northwestern Polytechnical University  
710072 Xi'an  
China  
Email: [liyulong@nwpu.edu.cn](mailto:liyulong@nwpu.edu.cn)

Co-Chairman: **Prof. Han Zhao**  
Ecole Normale Supérieure de Cachan  
France  
Email: [zhao@lmt.ens-cachan.fr](mailto:zhao@lmt.ens-cachan.fr)

IUTAM Representative on Scientific Committee: Prof. B. Freund

**13-4 = GA.10-13 IUTAM Symposium on Materials and interfaces under high strain rate and large deformation**

Place: Metz, France  
Date: June 17 – June 21, 2013  
Chairman: **Prof. S. Mercier**  
Université de Lorraine  
Ile du Saulcy  
57045 Metz, France  
Email: [sebastien.mercier@univ-lorraine.fr](mailto:sebastien.mercier@univ-lorraine.fr)

Co-Chairman: **Prof. J. F. Molinari**  
Ecole Polytechnique Fédérale de Lausanne  
CH 1015, Lausanne, Switzerland  
Email: [jean-francois.molinari@epfl.ch](mailto:jean-francois.molinari@epfl.ch)  
Website: <http://www.lem3.fr/iutam/>

IUTAM Representative on Scientific Committee: Prof. N. Gupta

**13-5 = GA.10-17 IUTAM Symposium on Multiscale modelling and uncertainty quantification of materials and structures**

Place: Santorini Island, Greece  
Date: September 08 – September 11, 2013  
Chairman: **Prof. M. Papadrakakis**  
NTUA  
Zografou Campus  
15780 Athens  
Greece  
**Email:** [mpapadra@central.ntua.gr](mailto:mpapadra@central.ntua.gr)

IUTAM Representative on Scientific Committee: Prof. O. Allix

**13-6 = GA.10-01 IUTAM Symposium on The dynamics of extreme events influenced by climate change**

Place: Lanzhou, China  
Date: September 23 – September 25, 2013  
Chairman: **Prof. X. Zheng**  
Department of Mechanics  
Lanzhou University, China  
**Email :** [daixq08@lzu.cn](mailto:daixq08@lzu.cn) or [huangn@lzu.edu.cn](mailto:huangn@lzu.edu.cn)  
Co-Chairman: **Prof. P. Linden**  
Department of Applied Mathematics and Theoretical Physics  
University of Cambridge, UK  
**Email:** [p.f.linden@damtp.cam.ac.uk](mailto:p.f.linden@damtp.cam.ac.uk)

IUTAM Representative on Scientific Committee: Prof. K. Moffatt

## IUTAM Symposia 2014

### **14-1 = GA.12-13 IUTAM Symposium on Mechanics of soft active materials**

Place: Haifa, Israel  
Date: May 12 – May 15, 2014  
Chairman: **Prof. K. Volokh**  
Technion – Israel Institute of Technology  
Haifa, Israel  
Email: [cvolokh@tx.technion.ac.il](mailto:cvolokh@tx.technion.ac.il)

IUTAM Representative on Scientific Committee: Prof. Z. Suo

### **14-2 = GA.12-14 IUTAM Symposium on Thermomechanical-electromagnetic coupling in solids : microstructural and stability aspects**

Place: Palaiseau, France  
Date: June 03 – June 05, 2014  
Chairman: **Prof. N. Triantafyllidis**  
Laboratoire de Mecanique des Solides  
Ecole Polytechnique  
91128 Palaiseau cedex, France  
Email: [nick@lms.polytechnique.fr](mailto:nick@lms.polytechnique.fr)

IUTAM Representative on Scientific Committee: Prof. C. Miehe

**14-3 = GA.12-09 IUTAM Symposium on Dynamical analysis of multibody systems with design uncertainties**

Place: Stuttgart, Germany  
Date: June 09 – June 13, 2014  
Chairman: **Prof. M. Hanss**  
Institute of Engineering and Computational Mechanics  
University of Stuttgart  
Pfaffenwaldring 9  
70569 Stuttgart, Germany  
Email: [michael.hanss@itm.uni-stuttgart.de](mailto:michael.hanss@itm.uni-stuttgart.de)

IUTAM Representative on Scientific Committee: Prof. P. Eberhard

**14-4 = GA.12-16 IUTAM Symposium on Innovative numerical approaches for materials and structures in multi-scale problems**

Place: Siegen, Germany  
Date: September 01 – September 05, 2014  
Chairman: **Prof. K. Weinberg**  
Fakultat IV / Maschinenbau  
University of Siegen  
Paul-Bonatz-Str. 9-11  
57076 Siegen, Germany  
Email : [kerstin.weinberg@uni-siegen.de](mailto:kerstin.weinberg@uni-siegen.de)

IUTAM Representative on Scientific Committee: Prof. W. Ehlers

**14-5 = GA.12-08 IUTAM Symposium on Complexity of nonlinear waves**

Place: Tallinn, Estonia  
Date: September 08 – September 12, 2014  
Chairman: **Prof. A. Salupere**  
Institute of Cybernetics  
Tallinn University of Technology  
Akadeemia tee 21  
12618 Tallinn, Estonia  
**Email :** [salupere@ioc.ee](mailto:salupere@ioc.ee)

IUTAM Representative on Scientific Committee: Prof. F. Dias

**14-6 = GA.12-04 IUTAM Symposium on Advances in computation, modelling and control of transitional and turbulent flows**

Place: Goa, India  
Date: December 15 – December 18, 2014  
Chairman: **Prof. T. Sengupta**  
High Performance Computing Laboratory  
Dept. of Aerospace Engineering  
Indian Institute of Technology Kanpur  
208016 Kanpur, India  
**Email:** [tksen@iitk.ac.in](mailto:tksen@iitk.ac.in)  
Co-chairman: **Prof. S. Lele**  
Stanford University  
USA  
**Email:** [lele@stanford.edu](mailto:lele@stanford.edu)

IUTAM Representative on Scientific Committee: Prof. B. Eckart

**14-7 = GA.12-01 IUTAM Symposium on Dynamics of bubbly flows**

Place: Mexico, Mexico  
Date: TBA  
Chairman: **Prof. R. Zenit**  
Instituto de Investigaciones en Materiales  
Universidad Nacional Autónoma de México  
Ciudad Universitaria, Coyoacan  
04510 Mexico, Mexico  
**Email:** [zenit@unam.mx](mailto:zenit@unam.mx)

IUTAM Representative on Scientific Committee: Prof. J. Magnaudet

**14-8 = GA.12-02 IUTAM Symposium on Transition and turbulence in flow through deformable tubes and channels**

Place: Bangalore, India  
Date: TBA  
Chairman: **Prof. V. Kumaran**  
Dept. of Chemical Engineering  
Indian Institute of Sciences  
560012 Bangalore, India  
**Email:** [kumaran@chemeng.iisc.ernet.in](mailto:kumaran@chemeng.iisc.ernet.in)

IUTAM Representative on Scientific Committee: Prof. T. Pedley



**14-9 = GA.12-05 IUTAM Symposium on Multiphase flows with phase change : challenges and opportunities**

Place: Hyderabad, India  
Date: TBA  
Chairman: **Prof. Kirti Chandra Sahu**  
Indian Institute of Tecnology Hyderabad  
Ordnance Factory Estate, Yeddumailaram  
502205 Hyderabad, India  
**Email:** [ksahu@iith.ac.in](mailto:ksahu@iith.ac.in)

IUTAM Representative on Scientific Committee: Prof. F. Dias

**14-10 = GA.12-06 IUTAM Symposium on Dynamics of capsules, vesicles and cells in flow (also EUROMECH Colloquium 554)**

Place: Compiègne, France  
Date: TBA  
Chairman: **Dr. A.-V. Salsac**  
Biomechanics and Bioengineering Laboratory (BMBI,  
UMR CNRS 7338)  
Universite de Technologie de Compiègne – CNRS  
BP 20529  
60205 Compiègne, France  
**Email:** [a.salsac@utc.fr](mailto:a.salsac@utc.fr)

IUTAM Representative on Scientific Committee: Prof. G. Leal

**14-11 = GA.12-10 IUTAM Symposium on Connecting multiscale mechanics to material complexes design**

Place: Evanston, USA  
Date: TBA  
Chairman: **Prof. W. K. Liu**  
Department of Mechanical Engineering  
Northwestern University  
2145 Sheridan Road  
IL 60208-3 Evanston, USA  
Email: [w-liu@northwestern.edu](mailto:w-liu@northwestern.edu)

IUTAM Representative on Scientific Committee: Prof. C. Herakovich

**14-12 = GA.12-12 IUTAM Symposium on Micromechanics of defects in solids**

Place: Seville, Spain  
Date: TBA  
Chairman: **Prof. P. Ariza**  
ETSI, University of Sevilla  
Camino de los descubrimientos s.n.  
41092 Sevilla, Spain  
Email: [mpariza@us.es](mailto:mpariza@us.es)

IUTAM Representative on Scientific Committee: Prof. V. Tvergaard

## IUTAM Symposia 2015

### **15-1 = GA.12-03 IUTAM Symposium on Multiphase continuum modelling of particulate flows**

Place: Gainesville, USA  
Date: TBA  
Chairman: **Prof. J. Butler**  
Dept. of Chemical Engineering  
University of Florida  
32611-6005 Gainesville, USA  
**Email:** [butler@che.ufl.edu](mailto:butler@che.ufl.edu)

IUTAM Representative on Scientific Committee: Prof. G. Leal

### **15-2 = GA.12-07 IUTAM Symposium on Advances in the modelling of geothermal systems**

Place: Lower Hut, New Zealand  
Date: TBA  
Chairman: **Prof. G. Weir**  
Industrial Research Limited  
69 Gracefield road, PO Box 31310  
5040 Lower Hutt, New Zealand  
**Email:** [g.weir@irl.cri.nz](mailto:g.weir@irl.cri.nz)

IUTAM Representative on Scientific Committee: Prof. A. Thess

**15-3 = GA.12-11 IUTAM Symposium on Growing solids**

Place: Moscow, Russia  
Date: TBA  
Chairman: **Prof. A. Manzhirov**  
Ishlinski Institute for problems in Mechanics  
Russian Academy of Sciences  
Vernadsky, ave 101, bldg 1  
119526 Moscow, Russia  
**Email:** [manzh@inbox.ru](mailto:manzh@inbox.ru)

IUTAM Representative on Scientific Committee: Prof. N. Gupta

**15-4 = GA.12-15 IUTAM Symposium on Analytical methods in nonlinear dynamics**

Place: Darmstadt, Germany  
Date: TBA  
Chairman: **Prof. P. Hagedorn**  
Dynamics & Vibrations Group  
Numerical Methods in Mechanical Engineering, fnb  
Technische Universitat Darmstadt  
Dolivostr. 15  
64293 Darmstadt, Germany  
**Email:** [hagedorn@dyn.tu-darmstadt.de](mailto:hagedorn@dyn.tu-darmstadt.de)

Co-chairman: **Dr. G. Spelsberg-Korspeter**  
Dynamics & Vibrations Group  
Numerical Methods in Mechanical Engineering, fnb  
Technische Universitat Darmstadt  
Dolivostr. 15  
64293 Darmstadt, Germany  
**Email:** [speko@dyn.tu-darmstadt.de](mailto:speko@dyn.tu-darmstadt.de)

IUTAM Representative on Scientific Committee: Prof. P. Eberhard

**15-5 = GA.12-17 IUTAM Symposium on Plastic localization and ductile failure**

Place: Palaiseau, France  
Date: TBA  
Chairman: **Prof. D. Mohr**  
Laboratoire de Mecanique des Solides  
Ecole Polytechnique  
91128 Palaiseau cedex, France  
**Email:** [mohr@polytechnique.fr](mailto:mohr@polytechnique.fr)

IUTAM Representative on Scientific Committee: Prof. S. Kyriakides

## **IUTAM Summer Schools**

**2013**

### **IUTAM-CISM Summer School on Variational approaches to damage in continua and interfaces**

Place: Udine, Italy  
Event dates: June 10 – June 14, 2013  
Coordinator: **Prof. J.-J. Marigo**  
Email: [marigo@lms.polytechnique.fr](mailto:marigo@lms.polytechnique.fr)  
  
<http://www.cism.it/courses/2013/>

**2014**

### **IUTAM-CISM Summer School on Multiscale regulation of bone remodeling and adaptation**

Place: Udine, Italy  
Event dates: TBA  
Coordinator: **Prof. P. Pivonka**  
Email: [peter.pivonka@uwa.edu.au](mailto:peter.pivonka@uwa.edu.au)

## IUTAM Co-Sponsored Events

### 2013            **ECCOMAS Thematic Conference on Multibody dynamics**

Place:            Zagreb, Croatia  
Date:             July 01 – July 04, 2013  
Coordinator:    **Prof. Z. Terze**  
                      **Email:** [zdravko.terze@fsb.hr](mailto:zdravko.terze@fsb.hr)

### 2013            **International Conference on Nonlinear mechanics**

Place:            Shanghai, China  
Date:             August 12 – August 15, 2013  
Coordinator:    **Prof. D. Q. Lu**  
                      **Email:** [dqlu@shu.edu.cn](mailto:dqlu@shu.edu.cn)

### 2013            **Modern mechanics: mathematical models of flows in nature, technology and living organisms**

Place:            Moscow, Russia  
Date:             August 2013  
Coordinator:    **Prof. S. Medvedev**  
                      **Email:** [danielis.bernoulli@gmail.com](mailto:danielis.bernoulli@gmail.com)

### 2014            **International Conference on Multibody system dynamics**

Place:            Pusan, Korea  
Date:             June 30 – July 03, 2014  
Coordinator IMSD: **Prof. P. Eberhard**  
                          **Email:** [peter.eberhard@itm.uni-stuttgart.de](mailto:peter.eberhard@itm.uni-stuttgart.de)  
Coordinator ACMD: **Prof. S. S. Kim**  
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