



## ANNOUNCEMENTS

### 1. FORTHCOMING MEETINGS OF THE INSTITUTE OF ACOUSTICS

All enquiries about the Institute of Acoustics should be addressed to the Secretary, Institute of Acoustics, 77A St Peter's Street, St Albans, Herts AL1 3BN, England; telephone +44 (0) 1727 848195; fax +44 (0) 1727 850553; E-mail [Acoustics@clus.ulcc.ac.uk](mailto:Acoustics@clus.ulcc.ac.uk); website <http://ica.essex.ac.uk/ioa>.

### 2. 15TH INTERNATIONAL CONFERENCE ON AUDIO, ACOUSTICS AND SMALL SPACES, SCANTICON BORUPGAARD, SNEKKERSTEN, DENMARK, 31 OCTOBER–02 NOVEMBER 1998

About 20 papers by invited authors will be presented at the conference. Further information can be obtained from the conference chairman: Jan Voetmann, DELTA Acoustics & Vibration, Building 356, Akademivej, DK-Lyngby, Denmark; telephone +45 4593 1211; fax +45 4593 1990; E-mail [jv@delta.dk](mailto:jv@delta.dk).

### 3. ACOUSTICS & VIBRATION ASIA '98 (AVA '98), SINGAPORE, 11–13 NOVEMBER 1998

The theme of AVA '98 is "Contributions of Acoustics & Vibration Technologies towards the Advancement of the Asia-Pacific Region in the 21st Century". AVA '98 comprises an international conference and exhibition. Further information can be obtained from AVA '98 Conference Secretariat, 1 Selegie Road #09-01, Paradiz Centre, Singapore 188306; telephone (65) 339-9129; fax (65) 334-7891; E-mail [apavcon@mbox4.singnet.com.sg](mailto:apavcon@mbox4.singnet.com.sg).

### 4. INTER-NOISE '98, CHRISTCHURCH, NEW ZEALAND, 16–18 NOVEMBER 1998

Inter-Noise in 1998 will be held in Christchurch, New Zealand on 16–18 November. The venue is to be the Christchurch Convention Centre, which is adjacent to the Town Hall and the Park Royal Hotel. The conference has been scheduled so that it immediately precedes the International Commission on the Biological Effects of Noise (ICBEN), being held in Sydney, Australia on 23–27 November 1998. A satellite symposium on "Recreational Noise" linking the two conferences is also to be convened in Queenstown, New Zealand, on 20 November. There will be both an accompanying persons program of sightseeing opportunities and a technical program of visits. There will be a trade exhibition of products, equipment and services to accompany the conference. You are invited to register your interest in attending the conference. To ensure space on the various tourist and recreational facilities at this peak time of the year, you are also invited to register your other interests by writing to The Inter-Noise 98 Secretary, NZ Acoustical Society, P.O. Box 1181, Auckland 1001, New Zealand, telephone (09) 623 3147; fax (09) 623 3248; E-mail [internoise98@auckland.ac.nz](mailto:internoise98@auckland.ac.nz). The organizers have undertaken to work with the Helicopter Line Limited for Inter-Noise 98 who have provided the following information: Mauri, Great Sights

and Newmans Tours welcomes to New Zealand delegates attending Inter-Noise 1998. We offer you an extensive range of pre- and post-conference tour options from which to choose when visiting New Zealand in November 1998. New Zealand is a small country with so much to see and do, and we recommend you allow at least 7 days either before or after the conference to explore our wonderful country. The most popular combinations of car and camper vans, local sightseeing or independent and organized coach tour packages have been especially selected. Prices which will be exclusive to delegates are available. October, November and December are prime touring months in New Zealand and early reservations are recommended. For further information or advanced bookings for any of the tour options, contact Rhonda Bowden, The Helicopter Line Limited, Private Bag 92133, Auckland, New Zealand, or E-mail [info@helicopter.co.nz](mailto:info@helicopter.co.nz).

5. INTERNATIONAL CONFERENCE ON SONAR SIGNAL PROCESSING, WEYMOUTH, U.K., 21–23 DECEMBER 1998

The conference is being organized by the Underwater Acoustics Group of the Institute of Acoustics. Many of the concerns are much the same as in the preceding conferences on the subject—the rapid development in hardware, the reduced size and increased power of processors, and the insatiable demands of the engineers designing the signal processing systems. The purpose of the conference will be to review the present state of this rapidly developing subject and to report on new developments and future trends. Particular themes of the conference include, but are not restricted to the following: arrays, beam forming and high resolution techniques; synthetic aperture sonar: image processing; time–frequency methods; modelling. As previously, the presentation of practical systems and results will be encouraged and a poster/demonstration session will be a key feature of the conference. Further information can be obtained from Professor H. D. Griffiths, Department of Electronic and Electrical Engineering, University College London, Torrington Place, London WC1E 7JE, U.K.; telephone (44) 171 380 7310; fax (44) 171 387 4350; E-mail [h.griffiths@eleceng.ucl.ac.uk](mailto:h.griffiths@eleceng.ucl.ac.uk).

6. 13TH INTERNATIONAL ZURICH SYMPOSIUM & TECHNICAL EXHIBITION ON ELECTROMAGNETIC COMPATIBILITY, ZURICH SWITZERLAND, 16–18 FEBRUARY 1999

Information can be obtained from the Symposium Chairman, Dr Gabriel Meyer, ETH Zentrum-IKT, CH-8092, Zurich, Switzerland; telephone +41 1 632 27 90; fax +41 1 262 09 43; E-mail [gmeyer@nari.ee.ethz.ch](mailto:gmeyer@nari.ee.ethz.ch); <http://www.nari.ee.ethz.ch/emc>.

7. 39TH ISRAEL ANNUAL CONFERENCE ON AEROSPACE SCIENCES, TEL AVIV AND HAIFA, 17–18 FEBRUARY 1999

Information can be obtained from Dr Rimon Arieli, Chairman Papers Committee, 39th Israel Annual Conference on Aerospace Sciences, c/o Faculty of Aerospace Engineering, Technion-Israel Institute of Technology, Haifa 32000, Israel; telephone +972-4-8292713; fax +972-4-8231848; E-mail [alice@aerodyne.technion.ac.il](mailto:alice@aerodyne.technion.ac.il).

8. 137TH MEETING OF THE ACOUSTICAL SOCIETY OF AMERICA AND THE 2ND CONVENTION OF THE EUROPEAN ACOUSTICS ASSOCIATION: FORUM ACUSTICUM, BERLIN, GERMANY, 14–19 MARCH 1999

Information can be obtained from the Conference Secretariats: in Europe, Institut für Technische Akustik, Sigrid Baemdaehl, Einsteinufer 25, 10587 Berlin, Germany; fax +49 30 314 259; E-mail [forum99@mach.ut.tu-berlin.de](mailto:forum99@mach.ut.tu-berlin.de); in America, Acoustical Society of America, Elaine Moran, 500 Sunnyside Boulevard, Woodbury, NY 11797 USA; fax +1 516 576 2377; E-mail [asa@aip.org](mailto:asa@aip.org).

9. OPTI 99, SIXTH INTERNATIONAL CONFERENCE ON COMPUTER AIDED DESIGN OF STRUCTURES, ORLANDO, FLORIDA, U.S.A., 16–18 MARCH 1999

The objective of the conference is to bring together researchers and engineers in order to communicate recent advances in structural optimization, and also to demonstrate how optimization can be applied in engineering practice. The previous five OPTI conferences, in 1989, 1991, 1993, 1995 and 1997, respectively, were very successful and were attended by many international delegates representing universities, and private and public research centres, in addition to industrial users of optimization methods. Mini-exhibition facilities for the display of products, services and literature relating to the theme of the meeting. The Conference Co-chairmen are Professor S. Hernandez, Universidad de la Coruna, Spain; Professor C. A. Brebbia, Wessex Institute of Technology, U.K., and Professor A. J. Kassab, University of Central Florida, U.S.A. Further information can be obtained from Liz Kerr, Conference Secretariat, OPTI 99, Wessex Institute of Technology, Ashurst Lodge, Ashurst, Southampton SO40 7AA, U.K.; telephone +44 (0) 1703 293223; fax +44 (0) 1703 292853; E-mail [opti99@wessex.ac.uk](mailto:opti99@wessex.ac.uk).

10. 2ND INTERNATIONAL CONFERENCE ON IDENTIFICATION IN ENGINEERING SYSTEMS, UNIVERSITY OF WALES, SWANSEA, 29–31 MARCH 1999

Parameter estimation and system identification are used extensively to obtain dynamic models of engineering systems. A large number of methods have been developed and a huge amount of experience gained in their application, particularly in control engineering and structural dynamics. Although aspects of the methods are different there is a substantial overlap in the methodology and practice used in the identification. Following the success of the first conference held in March 1996 at Swansea, this conference will provide a forum for researchers and practitioners in the art and science of identification from a range of disciplines and provide a further impetus to the cross-fertilisation of ideas in this area. Further details, including the procedure for the submission of abstracts, are available at URL: <http://www.swan.ac.uk/mecheng/ies99/>, or contact Dr. M. I. Friswell; (E-mail [m.i.friswell@swansea.ac.uk](mailto:m.i.friswell@swansea.ac.uk); fax +44 (0) 1792 295676).

11. XVTH WORLD CONGRESS ON OCCUPATIONAL SAFETY AND HEALTH, SÃO PAULO, BRAZIL, 12–16 APRIL 1999

Information can be obtained by E-mail to [xvcongresso@fundacentro.gov.br](mailto:xvcongresso@fundacentro.gov.br), or at the Home Page [www.fundacentro.gov.br](http://www.fundacentro.gov.br).

12. SONAR TRANSDUCERS '99, UNIVERSITY OF BIRMINGHAM, ENGLAND, 19–21 APRIL 1999

Information can be obtained from The Conference Secretary, Mr J. R. Dunn, School of Electronic and Electrical Engineering, University of Birmingham, Edgbaston, Birmingham B15 2TT, England; telephone +(0) 121 414 4326; fax +(0) 121 414 4291; E-mail [j.r.dunn@bham.ac.uk](mailto:j.r.dunn@bham.ac.uk).

13. COLLOQUIUM ON VIBRO-ACOUSTICS AND FLOW-STRUCTURE INTERACTIONS, UNIVERSITÉ DE CORTE, CORSICA, 19–23 APRIL 1999

Information can be obtained from either of the Co-Chairmen: P.J.T. Filippi, Laboratoire de Mécanique et d'Acoustique, 31 Chemin Joseph Aiguier, 13402 Marseille CEDEX 20, France; telephone +33-(0) 4 91 16 40 68; fax +33-(0) 4 91 22 82 48; E-mail [Filippi@lma.cnrs-mrs.fr](mailto:Filippi@lma.cnrs-mrs.fr); A. H. D. Van der Burgh, Delft University of Technology, Faculty of Technical Mathematics and Informatics, P.O. Box 5031, 2600 GA Delft, The Netherlands; telephone +31/15/2784420; fax +31/15/2787209; E-mail [burgh@dv.twi.tudelft.nl](mailto:burgh@dv.twi.tudelft.nl).

14. EURODYN 99, THE FOURTH INTERNATIONAL CONFERENCE OF THE EUROPEAN ASSOCIATION FOR STRUCTURAL DYNAMICS, PRAGUE, 7–10 JUNE 1999

EURODYN 99 is the Fourth International Conference of the European Association for Structural Dynamics dealing with all topics (theory, experiments and applications) of dynamic behaviour of civil engineering structures and will be held in Prague, 7–10 June 1999. Contact address: EURODYN 99 Secretariat, Prof. L. Frýba or Dr. J. Náprstek, Institute of Theoretical and Applied Mechanics, Prosecká 76, CZ-190 00 Prague 9, Czech Republic. World Wide Web: <http://www.itam.cas.cz/eurodyn>.

15. 1999 ASME MECHANICS AND MATERIALS CONFERENCE, VIRGINIA POLYTECHNIC AND STATE UNIVERSITY, BLACKSBURG VA, U.S.A., 27–30 JUNE 1999

Information can be obtained from Mrs. Norma Guynn, Department of Engineering Science and Mechanics, Blacksburg, VA 24060-01 04, U.S.A.; telephone +540-2317-9617; fax +540-231-9886; E-mail [nguynn@vt.edu](mailto:nguynn@vt.edu).

16. 6TH INTERNATIONAL CONGRESS ON SOUND AND VIBRATION, LYNGBY, DENMARK, 5–8 JULY 1999

The 6th International Congress on Sound and Vibration will be held on 5–8 July 1999 at the Technical University of Denmark in Lyngby, 10 km north of Copenhagen, Denmark. The third to be organized under the auspices of the International Institute of Acoustics and Vibration, it is sponsored by the IIAV and the Danish Acoustical Society. Contributed papers are invited, covering theoretical and experimental research as well as technology application in the following areas: Active noise control; Active vibration control; Aero-acoustics;

Architectural acoustics; Boundary element and finite element methods; Condition monitoring and diagnostics; Damping—passive and active; Environmental community noise; Human response to sound and vibration; Inverse methods; Machinery noise and vibration control; Materials for noise and vibration control; Measurement techniques; Mechanisms of human hearing; Modal analysis; Musical acoustics; Noise control elements; Non-destructive testing; Non-linear acoustics; Non-linear vibration; Occupational noise exposure and control; Outdoor sound propagation; Scattering of sound; Signal processing; Sound intensity; Sound sources; Sound transmission; Statistical energy analysis; Structural acoustics and vibration; Structural intensity; Transportation vibration and noise; Underwater acoustics; Vibration and shock; Vibration sources and Wavelet analysis. Further information may be obtained from the ICSV6 Secretariat, Department of Acoustic Technology, Technical University of Denmark, Building 352, DK-2800 Lyngby, Denmark; telephone +45 45 88 16 22; fax +45 45 88 05 77; E-mail [icsv6@dat.dtu.dk](mailto:icsv6@dat.dtu.dk); web-server <http://www.icsv6.dat.dtu.dk>.

17. 3RD INTERNATIONAL CONFERENCE ON ENGINEERING AERO-HYDRO ELASTICITY, PRAGUE, 30 AUGUST–03 SEPTEMBER 1999

This time, the 3rd International Conference on Engineering Aero- and Hydroelasticity (EAHE '99) will be one of EUROMECH regional Conferences organized under the auspices of the Czech Committee of the European Mechanics (CC EUROMECH) Society. Both earlier independent Conferences EAHE '89 held in Prague and EAHE '94 arranged in Pilsen were well attended by many researchers and attracted well-known scientists from all over the world. Many participants appreciated the spirit of informality of the scientific meeting. The programme will consist of invited and contributed presentations relevant to the field of solid-fluid interactions. Sessions for contributed papers are being organized specifically on the following topics: A. General theory, state-of-art-lectures, computational and experimental techniques; B. Tubes and tube bundles, other bluff bodies; C. Vibration of pipes, plates and shells in fluid (external flow, internal flow, sloshing in tanks); D. Parts of rotating machines (turbomachine blades, bearings, seals, valves); E. Means of transport (aeroplanes, ships, rockets, missiles, cars); F. Civil engineering (buildings, towers, bridges, off-shore structures); G. Biomechanics (blood or urine in body, heart valves); H. Special problems (acoustic phenomena, non-linear fluid-structure effects, combined interactions). Registered participants will receive a list of suitable Prague hotels, where accommodation can be arranged for them or, if preferred, they can make their own arrangements. Inexpensive accommodation, e.g., in a youth hostel, can also be arranged. Accommodation is not included in the registration fee. Further information can be obtained from the EAHE Conference Secretariat, Institute of Thermomechanics, Academy of Sciences of the Czech Republic, Dolejšková 5, 182 00 Prague 8, Czech Republic. Telephone +420/2/6885158, +420/2/66052021; fax +420/2/8584695; E-mail [eahe@it.cas.cz](mailto:eahe@it.cas.cz); Internet: <http://www.it.cas.cz/eahe/>.

18. INTERNATIONAL CONFERENCE ON DYNAMIC MONITORING AND CONTROL, MANCHESTER, ENGLAND, 1–3 SEPTEMBER 1999

Information can be obtained from Dr Andrew Starr, Conference Secretary DYMACH '99, Manchester School of Engineering, University of Manchester, Oxford Road, Manchester M13 9PL, England; telephone (+44) 161 275 4302; fax (+44) 161 275 4346; E-mail [andrew.starr@man.ac.uk](mailto:andrew.starr@man.ac.uk).

19. FOURTH INTERNATIONAL CONFERENCE ON VIBRATION PROBLEMS, JADAVPUR UNIVERSITY, CALCUTTA, INDIA, 27–30 NOVEMBER 1999

Conference topics include the following: Non-linear dynamic analysis of structures; Vibrations of beams, plates and shells; Vibrations due to thermal and mechanical loading; Shock-induced vibrations; Random vibrations; Buckling and post-buckling behaviour; Acoustics and vibration problems of physics; Vibration problems in bio-medical engineering; Structural dynamics and extreme load analysis, Elastic waves and seismic response; Elastic–plastic behaviour of materials; Computational and numerical methods applicable to vibration problems; Vibration problems associated with nuclear structures; Nuclear and power engineering; Recent developments in related topics. Further information can be obtained from Dr M. M. Banerjee (Co-Chairman), ICOVP, Secretariat, Department of Mathematics, A.C. College, Jalpaiguri-735 101, W.B. India; telephone +91 3561 23629/22107; fax +91 3561 23149.

20. 9TH NORDIC SYMPOSIUM ON TRIBOLOGY—NORDTRIB 2000, PORVOO, FINLAND, 11–14 JUNE 2000

Contact person: Mr Peter Andersson, VTT Manufacturing Technology, P.O. Box 1702, FIN-02044 VTT, Finland; telephone +358 9 456 5387; fax +358 9460 627; e-mail [Peter.Andersson@vtt.fi](mailto:Peter.Andersson@vtt.fi).

21. EUROMECH MEETINGS IN 1999 AND 2000

The EUROMECH Council has overall responsibility for Euromech Colloquia and EUROMECH Conferences. EUROMECH Colloquia are informal meetings on specialized research topics. Participation is restricted to a small number of research workers actively engaged in the field of each Colloquium. The organization of each Colloquium, including the selection of participants for invitation, is entrusted to a Chairman. Proceedings are not normally published. Those who are interested in taking part in a Colloquium should write to the appropriate Chairman. The Number, Title, Chairman or Co-chairmen, Dates and Location for each Colloquium in 1999, and preliminary information for some Colloquia in 2000, are as follows: 389. **Physiological Flows and Flow-Structure interactions**, Prof. K. Perktold, Institute of Mathematics, Technical University, Graz, Steyrergasse 30/3, A-8010 Graz, Austria, E-mail: [perktold@matd.tu-graz.ac.at](mailto:perktold@matd.tu-graz.ac.at), Prof. T. Kenner, Graz, April 20–24, 1999, Graz, Austria; 390. **Instability, Bifurcation and Localisation in Fracture of Materials**, Dr. G. Rousselier, Electricité de France, Dept. MTC, Sites des Renardieres, F-77818 Moret-sur-Loing Cédex, France, E-mail: [gilles.rousselier@der.edfgdf.fr](mailto:gilles.rousselier@der.edfgdf.fr), Dr. A. Benallal, Cachan, 10–12 May 1999,

Paris, France; 391. **Wind Tunnel Modelling of Dispersion in Environmental Flows**, Dr. Z. Janour, Institute of Thermomechanics, Dolejskova 5, CZ-182 00 Prague 8, the Czech Republic, E-mail: janour@bivoj.it.cas.cz, Prof. A. Robins, Surrey, and Prof. M. Schatzmann, Hamburg, 13–15 September 1999, Prague, the Czech Republic; 392. **Mechanics of Railway Interfaces**, Prof. R. A. Smith, University of Sheffield, Mappin Street, Sheffield, S1 3JD, UK, E-mail: roderick.smith@sheffield.ac.uk, Prof. E. Andersson, Stockholm, Sweden, 25–27 March 1999, Sheffield and Derby, England; 393. **Crack Initiation after Extensive Multiaxial Plastic Flow**, Postponed to 2000, Reading, UK; 394. **Theory and Numerics of Anisotropic Materials at Finite Strains**, Dr. K. Hackl, Institute for Strength of Materials, Technical University of Graz, Kopernikusgasse 24, A-8000, Graz, Austria, E-mail: hackl@euler.tu-graz.ac.at, Prof. Ch. Miehe, Prof. Ch. Celigoj, 13–16 April 1999, Graz, Austria; 395. **Coastal, Estuarine and River Forms**, Prof. H. J. de Vriend, University of Twente, P.O. Box 217, 7500 AE Enschede, NL, E-mail: h.j.devriend@sms.utwente.nl, Prof. P. Blondeaux, University of Genoa, Italy, May 1999, Enschede, NL; 396. **Vortical Structures in Rotating and Stratified Fluids**, Prof. R. Verzicco, Dipartimento di Meccanica e Aeronautica, Via Eudossiana 18, 00184, Roma, Italy, E-mail: verzicco@orlandisun.ing.uniroma1.it, Prof. G. J. F. van Heijst, Eindhoven, 22–25 June 1999, Cortona, Italy; 397. **Impact in Mechanical System**, Dr. B. Brogliato, Laboratoire d'Automatique de Grenoble, UMR CNRS-INPG 5528, ENSIEG, BP 46, Domaine Universitaire, 38402 Saint Martin d'Heres, France, E-mail: Bernard.Brogliato@lag.ensieg.inpg.fr, Prof. W. Stronge, University of Cambridge, England, 30 June–2 July 1999, Grenoble (LAG), France; 398. **Fluid-Structure Interaction in Ocean Engineering**, Prof. E. Kreuzer, Meerestechnik II—Mechanik, Technische Universität Hamburg-Harburg, Eissendorfer Str. 42, 21073 Hamburg, Germany, E-mail: kreuzer@tu-harburg.de, Prof. O. von Estorff, October 11–15, 1999, Hamburg, Germany; 399. **Cancelled**; 400. **Impact and Damage Tolerance Modelling of Composite Laminates and Structures**, Dr. C. Soutis, Imperial College, London SW7 2BY, U.K., E-mail: c.soutis@ic.ac.uk, Prof. G. A. O. Davies, U.K., Dr. Jaab Wigenraad, the Netherlands, 26–29 September 1999, London, England; 401. **Inverse Methods in Structural Dynamics**, Prof. J. E. Mottershead, Dept. of Engineering, The University of Liverpool, Brownlow Street, Liverpool, L69 3GH, England, E-mail: jmotters@mechnet.liv.ac.uk, Dr. M. I. Friswell, Wales, 6–7 September 1999, Liverpool, England; 402. **Micromechanics of Fracture Processes**, Prof. D. Gross, Institute of Mechanics, TU Darmstadt, Hochschulstrasse 1, D-64289 Darmstadt, Germany, E-mail: gross@prandtl.mechanik.th-darmstadt.de, Prof. D. Fischer, Prof. E. van der Giessen, 24–27 October 1999, near Darmstadt, Germany; 403. **Turbulence in High Speed Compressible Flows**, Prof. J. P. Bonnet, Laboratoire d'études Aérodynamique, CEAT—43 route de l'Aérodrome, F-86036, Poitiers, France, E-mail: bonnet@univ-poitiers.fr, Dr. Otto Leuchter, Onera, 2–4 November 1999, Poitiers—Futuroscope, France; 404. **Advances in Computational Multibody Dynamics**, Prof. Jorge A. C. Ambrósio, IDMEC—Instituto Superior Técnico, Av. Rovisco Pais 1, 1096 Lisboa, Portugal, E-mail: jorge@lemac.ist.utl.pt, Prof. W. Schiehlen, 20–23 September 1999, Lisboa, Portugal; 405. **Modelling Uncertainties in Structural Analysis**, Prof. P. Level,

Université de Valenciennes et du Hainaut Cambrésis, Direction I.S.T.V., Le Mont Houy-BP311, 59304 Valenciennes Cedex, France, E-mail: Pascal.Level@univ-valenciennes.fr, Prof. L. Jezequel, Lyon, France, September 1999, France; 406. **Image Processing Methods in Applied Mechanics**, Dr. T. Kowalewski, Polish Academy of Sciences, IPPT, PAN, Center of Mechanics, PL-00-049 Warsaw, Poland, E-mail: tomasz.kowalewski@ippt.gov.pl, Prof. W. Kosinski, Dr. J. Kompenhans, 6–8 May 1999, Warsaw, Poland; 393. **Crack Initiation after Extensive Multiaxial Plastic Flow**, Prof. A. G. Atkins, Dept. of Engineering, University of Reading, Reading RG6 6AY, England, E-mail: a.g.atkins@reading.ac.uk, Dr. O. Kolednik, Erich Schmid, Austrian Academy of Sciences, Leoben, Austria, Easter 2000, Reading, England; 407. **Symbolical and Geometric Methods in Multibody Kinematics and Dynamics**, Prof. A. Kecskeméthy, Technical University of Graz, Institute of Mechanics, Kopernikusgasse 24, A-8000, Graz, Austria, E-mail: kecskemethy@mech.tu-graz.ac.at, September 2000, Graz, Austria; 408. **Interactive Dynamics of Convection and Solidification**, Prof. D. S. Riley, Department of Theoretical Mechanics, University of Nottingham, University Park, Nottingham NG7 2RD, UK, E-mail: david.riley@nott.ac.uk, Dr. Ing. habil P. Ehrhard, Germany, Prof. P. H. Steen, US, March 2000; 409. **Dynamics and Long-Time Behavior of Railway Vehicles, Track and Substructure**, Prof. K. Popp, Institut of Mechanics, University of Hannover, Appelstraße 11, D-30167 Hannover, Germany, Prof. R. Bogacz, Warsaw, Prof. Hans True, Lyngby, 6–10 March 2000, Hannover, Germany; 410. **The Applications of Computer Algebra to Mechanics**, Prof. M. Lesser, Royal Institute of Technology, S-100 44 Stockholm, Sweden, E-mail: mlesser@mech.kth.se, Prof. Dr.-Ing. E. Kreuzer, April/May 2000, Stockholm, Sweden; 411. **3C Stereo and Holographic PIV. Application to Turbulence Measurements**, Doc. M. Trinite, Coria—UMR 6614, UNIVERSITE et INSA de Rouen, 76821 Mont Saint Aignan Cedex, E-mail: trinite@coria.fr, Dr. J. Kompenhans, Prof. M. Stanislas, 12–14 April 2000, Rouen, France. Early in 1998 the offices of President, Secretary General and Treasurer of EUROMECH were taken up by H. H. Fernholz, M. Okrouhlik and E. Hopfinger, succeeding respectively O. G. Crighton (who has become Vice-President), B. Lundberg and E.-A. Müller. The new officers' addresses are as follows: (President) Professor Hans-Hermann Fernholz, Hermann-Fottinger Institut für Strömungsmechanik, Technische Universität Berlin, Strasse des 17. Juni 135, D-10623 Berlin, Germany; (Secretary General) Assoc. Professor Miloslav Okrouhlik, Institute of Thermomechanics, Dolejškova 5, CZ-18200 Prague 8, The Czech Republic; (Treasurer) Professor Emil J. Hopfinger, LEGI/IMG, Domaine Universitaire, B.P. Box 53, F-38041 Grenoble CEDEX 09, France.

## 22. VON KÁRMÁN INSTITUTE FOR FLUID DYNAMICS LECTURE SERIES

To encourage participation in the lecture series programme by university assistants and undergraduate students, the Institute has established a limited number of VKI Lecture Series Fellowships for participants from NATO countries which support the Institute. The recipient of a fellowship is entitled to attend the lecture series at a reduced fee. For example, the reduced fee applied to a lecture series carrying



a full fee of 25 000 BF will be 12 500 BF for assistants or 1500 BF for undergraduate students. (In the latter case, meals are not included.) The request to be considered for an award must accompany the application to attend the lecture series, and the applicant must provide a recommendation from his professor. All possible alternative sources of funding should be investigated before aid is requested under this scheme, so that those most in need will benefit. Further information can be obtained from the von Kármán Institute for Fluid Dynamics Lecture Series Secretariat, Chaussée de Waterloo 72, B-1640 Rhode-Saint-Genèse, Belgium: telephone 32-2-359.96.04; fax 32-2-359.96.00.

### 23. CISM PROGRAMME

Detailed information concerning courses organized by the International Centre for Mechanical Sciences (CISM), Italy, can be obtained from CISM, Palazzo del Torso, Piazza Garibaldi 18, I-33100 Udine, Italy; telephone +39 (432) 294 989 or 508 251; fax +39 (432) 501 523; E-mail: [cism@cc.uniud.it](mailto:cism@cc.uniud.it); <http://www.uniud.it/cism/homepage.htm>.

### 24. ISVR SHORT COURSES AND CONFERENCES

Information on ISVR Short Courses and Conferences may be obtained from the ISVR Conference Secretary, Institute of Sound and Vibration Research, University of Southampton, Southampton SO17 1BJ; telephone +44 (0) 1703 592294; fax +44 (0) 1703 593190; <http://www.isvr.soton.ac.uk/courses/short>.

### 25. EUROPEAN UNION LARGE-SCALE FACILITIES PROGRAMME: ACCESS TO LARGE SHAKING TABLES AND REACTION-WALL FACILITIES

The Commission has agreed to provide funded access for researchers to the large shaking tables and reaction-wall facility under its Training and Mobility of Researchers (TMR) Programme. Application for such access from nationals of a Member State of the Community or Associated State is now invited. Applicants (from universities, research/technical institutes or industries) with interests in research in structural engineering and dynamic testing should apply by submitting their research proposals and the likely amount of access required to ISMES or to any of the laboratories listed below for consideration by a Management Panel appointed by the Commission. Approved users will receive travel and subsistence costs from the host laboratory. The access to the facilities will be free of charge for the researchers and a contribution for the construction of test models will be supported. The Community requires the scientific interest of the proposed research and the maximum publicity of the supported access. More precise details are available from Dr G. Franchioni, Structural Dynamic Testing Laboratory—ISMES Sp.A., Via Pastrengo, 9, 24068 Seriate (GB), Italy, telefax +39 35 302999, telephone +39 35 307612. Other Large scale Facilities include NTUA—Athens (GR), Professor P. G. Carydis, telefax +30 1 7721182, telephone +30 1 7721185;

CEA—Saclay (F), Dr P. Sollogoub, telefax +33 1 69088331, telephone +33 1 69082716, ELSA—JRC Ispra (I), Dr G. Verzeletti, telefax +39 332 789049, telephone +39 332 789368, LNEC—Lisbon (P). Dr E. Carvalho, telefax +351 1 8497660, telephone +351 1 8482131, EERC—Bristol (U.K.), Professor R. T. Severn, telefax +44 117 9287783, telephone +44 117 9287708.

26. EASD/ANIV PRIZE FOR PAPER BY YOUNG RESEARCHER ON STRUCTURAL DYNAMICS OR WIND ENGINEERING

The European Association for Structural Dynamics (EASD) and the Italian Association for Wind Engineering (ANIV) announce a prize to be awarded to a paper on a subject of Structural Dynamics on Wind Engineering written by a European researcher not older than 35 years and published between 1 January 1996 and 31 December 1998 in a refereed distribution journal (or Congress Proceedings) of international diffusion. The Prize will consist of a scroll or plate and a sum roughly equivalent to DM 6000. It will be awarded in Prague in June 1999, during the 4th European Conference on Structural Dynamics, EURO DYN '99, at which the winner will be invited to present a lecture on his/her researches. Further information and a copy of the rules governing the prize can be obtained from Prof. ing. Giuliano Augusti, President ANIV, Università di Roma "La Sapienza", Dip. Ingegneria Strutturale e Geotecnica, Via Eudossiana 18, I-00184 Roma, Italy; telephone +39.6.445851 55; fax +39.6.488 4852; E-mail [augusti@scilla.ing.uniroma.it](mailto:augusti@scilla.ing.uniroma.it).

27. VON KÁRMÁN INSTITUTE FOR FLUID DYNAMICS: LECTURE SERIES MONOGRAPHS

Eight new 1997 volumes in this series are now available, as well as the 45 volumes previously published. The titles of the 1997 volumes are as follows: Secondary and Tip-clearance Flows in Axial Turbines; Computational Fluid Dynamics; Introduction to the Modelling of Turbulence; Inverse Design and Optimisation Methods; Thin Liquid Films and Coating Processes; Aeroacoustic and Active Noise Control; Algorithms and Data Structures for Structured and Unstructured Grid Generation; Finite Element Methods for Compressible and Incompressible Flow. Information on all the available volumes can be obtained from: Von Kármán Institute for Fluid Dynamics, Chaussée de Waterloo, 72, 1640 Rhode-Saint-Genèse, Belgium; fax (32) 2-359.96.00; E-mail [biblio@vki.ac.be](mailto:biblio@vki.ac.be).