



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; tel.: +44 (0) 1727 848195; fax: +44 (0) 1727 850553; e-mail: acoustics@clus.ulcc.ac.uk; website <http://ica.essex.ac.uk/ioa>

2. THIRD INTERNATIONAL SYMPOSIUM ON CABLE DYNAMICS, TRONDHEIM, NORWAY, 17–19 AUGUST 1999

Information can be obtained from the Symposium Administrative Office: A.I.M., 31, rue Saint-Gilles, B-4000 Liège (Belgium); tel.: +324 222 29 96; fax: +324 222 23 88; e-mail: aimulg@misc.ulg.ac.be; homepage <http://www.ulg.ac.be/cable99>

3. 3RD INTERNATIONAL CONFERENCE ON ENGINEERING AERO-HYDRO ELASTICITY, PRAGUE, 30 AUGUST–3 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 the 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, Dolejškova 5, 182 00 Prague 8, Czech Republic. Tel: +420/2/6885158, +420/2/66052021; fax: +420/2/8584695; e-mail: eahe@it.cas.cz; Internet: <http://www.it.cas.cz/eahe>

4. INTERNATIONAL CONFERENCE ON THE INTEGRATION OF DYNAMICS, MONITORING AND CONTROL, MANCHESTER, ENGLAND, 1–6 SEPTEMBER 1999

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

5. ISNA-15: INTERNATIONAL SYMPOSIUM ON NONLINEAR ACOUSTICS, GÖTTINGEN, GERMANY, 1–4 SEPTEMBER 1999

The Symposium will include invited and contributed papers on the following general topics: Propagation of finite amplitude sound waves; Interaction of finite amplitude sound with particles and boundaries; Cavitation and sonoluminescence; Thermoacoustics, acoustic streaming, Bjerknes forces; Industrial and medical applications of non-linear acoustics, high intensity focused ultrasound (HIFU) and lithotripsy; Sonochemistry. There will be conference proceedings. English will be the language for both the manuscripts and the oral presentations. Information can be obtained from the Symposium Secretariat: ISNA-15, Drittes Physikalisches Institut, Universität Goettingen, Buergerstr. 42–44, D-37073 Goettingen, Germany; tel.: +49-551-39-7713; fax: +49-551-39-7720; e-mail: isna@dpi.physik.uni-goettingen.de, or isna@physik3.gwdg.de; homepage <http://www.physik3.gwdg.de/isna>

6. 17TH BIENNIAL CONFERENCE ON MECHANICAL VIBRATION AND NOISE, LAS VEGAS, NEVADA, U.S.A., 12–15 SEPTEMBER 1999

Information can be obtained from the Conference Chair, Subhash C. Sinha, 201 Ross Hall, Auburn University, Alabama, U.S.A.: tel.: +1(334)844-3325; fax: +1(334)844-3307; e-mail: detc99@eng.auburn.edu; also see <http://www.eng.auburn.edu/vib99>

7. SECOND U.K. CONFERENCE ON BOUNDARY INTEGRAL METHODS, BRUNEL UNIVERSITY, UXBRIDGE, MIDDLESEX, ENGLAND, 13–14 SEPTEMBER 1999

Information can be obtained from either Professor Luiz Wrobel, Department of Mechanical Engineering, Brunel University, Uxbridge UB8 3PH, Middlesex; tel.: +44(0)1895 274000 extn 2907; fax: +44(0)1895 253692; e-mail: luiz.wrobel@brunel.ac.uk or Dr. Simon Chandler-Wilde, Department of Mathematics and Statistics, Brunel University, Uxbridge UB8 3PH, Middlesex, England; tel.: +44(0)1895 274000 extn 2283; fax: +44(0)1895 203303; e-mail: simon.chandler-wilde@brunel.ac.uk

8. EUROMECH COLLOQUIUM 404: ADVANCES IN COMPUTATIONAL MULTI-BODY DYNAMICS, INSTITUTO SUPERIOR TÉCNICO, LISBOA, PORTUGAL, 20–23 SEPTEMBER 1999

Information can be obtained from Prof. Jorge A. C. Ambrósio, IDMEC/ Instituto Superior Técnico, Av. Rovisco Pais, 1, 1096 Lisboa, Portugal; tel.: + 351 1841 7680; fax: + 351 1841 7915; e-mail: jorge@lemac.ist.utl.pt; see also <http://www.lemac.ist.utl.pt/> ~ EUROMECH

9. PHOTOMECH '99, LIEGE, BELGIUM, 25–27 NOVEMBER 1999

PHOTOMECH '99 will be the first European Workshop devoted to the increasing use of combined opto-electronic/mechanical/systems and their related control. Information can be obtained from the Secretariat at BSMEE-PROMOPTICA 5 Rue Leonardo da Vinci, B 1000 Brussels; tel.: 32-2-7360272; fax: 32-2-7429698; <http://mrdec.fpms.ac.be/bsmee>

10. 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 biomedical 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; tel.: + 91 3561 23629/22107; fax: + 91 3561 23149.

11. A-PVC '99, SINGAPORE, 13–15 DECEMBER 1999

This conference continues the series of biennial Asia-Pacific Vibration Conferences which began in 1985. The Conference will be broadly classified under the following categories: Analytical and computational methods; Biomedical applications; Damping; Dynamics of machines, structures and robots; Dynamics of plant structures and systems; Effects of noise and vibration; Experimental modal analysis; Impact dynamics; Industrial noise and vibration; Machine condition monitoring; Noise sources and control elements; Non-linear vibration and chaos; Rotor dynamics and turbomachinery; Vehicle dynamics and control; Vibration isolation and reduction; Vibration control; Other related topics. Information can be obtained from the A-PVC '99 Secretariat: Attn. Ms Merlin Toh, A-PVC '99 Secretariat, Nanyang Technological University, Conference Management Centre, Administration Annex #04-06, Nanyang Avenue 639798 Singapore; tel.: (65) 790-4723; fax: (65) 793-0997; e-mail: APVC99@ntu.edu.sg; homepage <http://www.nut.edu.sg/mpe/apvc99>

12. INTERNATIONAL CONFERENCE: STOCHASTIC VOLUME AND SURFACE SCATTERING: RECENT DEVELOPMENTS IN UNDERWATER ACOUSTICS, UNIVERSITY OF CAMBRIDGE, 15–17 DECEMBER 1999

All enquiries relating to this meeting should be addressed to the conference organisers: Dr. Barry J. Uscinski, DAMTP, University of Cambridge, Silver Street, Cambridge, CB3 9EW, tel.: + 44(0) 1223 337876; fax: + 44(0) 1223 337918; e-mail: bjul@damtp.cam.ac.uk; Dr. Peter F Dobbins, BAeSEMA, PO Box 5, Filton, Bristol, BS34 7QW: tel.: + 44(0) 117 918 8056; fax: + 44(0) 117 918 8422; e-mail: InstAcoust@aol.com, or peter.dobbins@baesema.co.uk. Abstracts should be sent to Peter Dobbins at the above address, preferably by e-mail. The latest conference information will be found at the Underwater Acoustics Group web site: <http://members.aol.com/InstAcoust/underwater/>

13. SEC 2000 STRUCTURAL ENGINEERING CONVENTION, MUMBAI (BOMBAY), INDIA, 5–8 JANUARY 2000

Information can be obtained from Secretariat, SEC-2000, Department of Civil Engineering, Indian Institute of Technology, Bombay, Powai, Mumbai-400 076, India; tel.: + 91 22 576-7310/576-7333; fax: + 91 22 576-7302/578-3480; e-mail: sec2000@civil.iitb.ernet.in; <http://www.civil.iitb.ernet.in/sec2000/>

14. SACAM 2000, INTERNATIONAL CONFERENCE ON APPLIED MECHANICS, DURBAN, SOUTH AFRICA, 11–13 JANUARY 2000

Information can be obtained from Professor S. Adali, Department of Mechanical Engineering, University of Natal, Durban 4041, South Africa; tel: + 27 31 260 3203; fax: + 27 31 260 3217; e-mail: adali@eng.und.ac.za; see also <http://www.und.ac.za/und/mech/conference.html>

15. 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; tel.: + 3589 456 5387; fax: + 3589 460 627; e-mail: peter.andersson@vtt.fi

16. MCS 2000 INTERNATIONAL CONFERENCE ON MONTE CARLO SIMULATION, MONTE CARLO, MONACO, 18–21 JUNE 2000

Information can be obtained from Institute of Engineering Mechanics, Monte Carlo Simulation 2000 Conference, Attn. Mrs. Daniela A. Gratzer, Secretariat, Leopold-Franzens University (LFU), Technikerstr. 13, A-6020 Innsbruck, Austria EU; tel.: + 43 512 507 6841; fax: + 43 512 507 2905; e-mail: Mechanik@uibk.ac.at

17. 7TH INTERNATIONAL CONFERENCE ON FLOW-INDUCED VIBRATIONS: FIV 2000, LUCERNE, SWITZERLAND, 19–21 JUNE 2000

Information can be obtained at the Conference e-mail: fiv.2000@hta.fhz.ch, or at the Internet address: <http://www.hta.fhz.ch/fachst/ffj/fiv2000>

18. 7TH INTERNATIONAL CONGRESS ON SOUND AND VIBRATION, GARMISCH-PARTENKIRCHEN, GERMANY, 4–7 JULY 2000

The International Institute of Acoustics and Vibration, IIAV, will hold its Seventh International Congress on Sound and Vibration, ICSV7, on 4–7 July, 2000 in Garmisch-Partenkirchen, Germany. Contact: Hanno Heller, DLR-Institut für Entwurfsaerodynamik, Lilienthalplatz 7, D-38108 Braunschweig, Germany; fax: + 49(0) 531 295 2320; e-mail: hanno.heller@dlr.de; Web <http://www.iiav.org/icsv7.html>

19. 7TH INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN STRUCTURAL DYNAMICS, ISVR, UNIVERSITY OF SOUTHAMPTON, ENGLAND, 22–25 JULY 2000

Information can be obtained from Dr N. S. Ferguson, ISVR, University of Southampton, Southampton SO17 1BJ, England; fax: + 44(0)1703 593190; e-mail nstf@isvr.soton.ac.uk

20. INTER-NOISE 2000, NICE, FRANCE, 28–30 AUGUST 2000

This is the 29th International Congress on Noise Control Engineering to be sponsored by the International Institute of Noise Control Engineering. A major topic for discussion will be Transport and Community Noise. Information can be obtained from the Congress Secretariat: INTER-NOISE 2000, INRETS LEN, 25 avenue François Mitterand, Case 24, 69675 Bron Cedex, France; tel.: + 33(0)472 14 23 00; fax: + 33(0)472 37 68 37; e-mail: internoise2000@inrets.fr; homepage <http://www.inrets.fr/services/manif>

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 smaller 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: 391, Wind Tunnel Modelling of Dispersion in Environmental Flows, Dr. Z. Janour, Institute of Thermomechanics, Dolejškova 5, CZ-18200 Prague 8, the Czech Republic, e-mail: janour@bivoj.it.cas.cz. Prof. A. Robins, Surrey, and Prof. M. Scotsman, Hamburg, 13–15 September 1999, Prague, the Czech Republic; 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, 11–15 October, 1999, Hamburg, Germany; 399. Cancelled; 400. Impact and Damage Tolerance Modelling of Composite Laminates and Structures, Dr. C. Soutis, Imperial College, London SW7 2BY, England, E-mail: c.soutis@ic.ac.uk, Prof. G. A. O. Davies, U.K., Dr. Jaab Wiggeraad, 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'Etudes 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, BP 311, 59304 Valenciennes Cedex, France, e-mail: Pascal.level@univ-valenciennes.fr, Prof. L. Jezequel, Lyon, France, September 1999, France; 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, Loeben, Austria, Easter 2000, Reading, England; 407. Symbolical and Geometric Methods in Multibody Kinematics and Dynamics, Prof. A. Kecskemthy, Technical University of Graz, Institute of Mechanics, Kopernikusgasse 24, A-8000, Graz, Austria, e-mail: kecskemthy@mech.tugraz.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, England, e-mail: david.riley@nott.ac.uk, Dr.-Ing.habil P. Ehrhard, Germany, Prof. P. H. Steen, U.S., March 2000; 409. Dynamics and Long-time Behavior of Railway Vehicles, Track and Substructure, Prof. K. Popp, Institute 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, 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 D. 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; tel.: + 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; tel.: + 39(432)294 989 or 508 251; fax: + 39(432) 501 523; e-mail: 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, England: tel.: + 44(0)1703 592294; fax: + 44(0)1703 593190; <http://www.iscivr.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—IS-MES Sp.A., Via Pastrengo, 9, 24068 Seriate (GB), Italy, telefax: + 39 35 302999; tel.: + 39 35 307612. Other Large scale Facilities include NTUA—Athens (GR), Professor P. G. Carydis, telefax: + 301 7721182; tel.: + 301 7721185; CEA—Saclay (F), Dr. P. Sollogoub, telefax: + 331 69088331; tel.: + 331 69082716, ELSA—JRC Ispra (I), Dr G. Verzeletti, telefax: + 39 332 789049; tel: + 39 332 789368, LNEC—Lisbon (P). Dr. E. Carvalho, telefax: + 351 8497660; tel.: + 351 1 8482131, EERC—Bristol (U.K.), Professor R. T. Severn, telefax: + 44 117 9287783; tel.: + 44 117 9287708

26. JOURNAL OF SOUND AND VIBRATION P.E. DOAK AWARD

This annual Award of £3,000 has been established by Academic Press in conjunction with the Institute of Sound and Vibration Research, University of Southampton. It is open to applicants who have applied for registration for the M.Sc. degree in Sound and Vibration Studies/Automotive Dynamics/Noise and Vibration/Audiology. Further information is available from Gioia Ghezzi at Academic Press; + 44(0) 171 424 4243; e-mail: gioia_ghezzi@harcourtbrace.com. Alternatively, contact Maureen Strickland at ISVR, + 44(0) 1703 592294; e-mail: mzs@isvr.soton.ac.uk