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## Conference Reports

### EUROMECH Colloquia

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. Number, Title, Chairperson or Co-chairperson, Dates and Location for each Colloquium in 2001, and preliminary information for some Colloquia in 2002, are given below.

#### Colloquia in 2001

##### 420. Mechanobiology of Cells and Tissues

Chairman: Prof. J.F. Stoltz

Angiohémato-Hémorhéologie, LEMTA – UMR CNR 7563, Faculté de Médecine,  
9 Avenue de la Foret de Haye, 54505 Vandoeuvre-les-Nancy Cedex, France

E-mail: stoltz@hemato.u-nancy.fr

Co-chairman: Prof. Xiong Wang, CR CNRS, France

Euromech contact person: Prof. Emil J. Hopfinger

Date and location: 24–26 April, 2001, Nancy, France

##### 421. Strongly-Coupled Dispersed Two-Phase Flows

Chairman: Prof. Alain Cartellier, CR CNRS, LEGI BP 53, 38041 Grenoble Cedex, France

E-mail: alain.cartellier@hmg.inpg.fr

Co-chairman: Prof. Jacques Leblond, ESPCI, Paris, France

Euromech contact person: Prof. Emil J. Hopfinger

Date and location: 3–5 September, 2001, Grenoble, France

##### 422. Pattern Formation by Motile Micro-Organisms and Cells

Chairman: Dr. N.A. Hill

Department of Applied Mathematics, University of Leeds, LS2 9JT Leeds, UK

E-mail: n.a.hill@leeds.ac.uk

Co-chairman: Dr. M.A. Bees, University of Surrey, UK

Euromech contact person: Prof. Timothy J. Pedley

Date and location: 5–8 December, 2001, University of Leeds, UK

##### 423. Boundary-Layer Transition in Aerodynamics

Chairman: Prof. Dr. -Ing. Siegfried Wagner

Universitaet Stuttgart, Pfaffenwaldring 21, D-70550 Stuttgart, Germany

E-mail: wagner@iag.uni-stuttgart.de

Co-chairman: Dr. -Ing. Markus Kloker, Universitaet of Stuttgart, Germany

Euromech contact person: Prof. Hans-H. Fernholz

Date and location: 2–4 April, 2001, Universitaet Stuttgart, Germany

**424. Buckling Predictions of Imperfection-Sensitive Shells**

Chairman: Prof. Dr. J. Arbocz

Delft University of Technology, P.O. Box 5058, 2600 GB Delft, The Netherlands

E-mail: j.arbocz@lr.tudelft.nl

Co-chairman: Prof. Dr.-Ing. W. Wunderlich, TU München, Germany

Euromech contact person: Prof. Dr. Erik Van der Giessen

Date and location: 2–5 September, 2001, Kerkrade, The Netherlands

**425. Nonlinear Dynamics, Control and Condition Monitoring of Engineering Systems and Structures**

Chairman: Dr. Marian Wiercigroch

Aberdeen University, Department of Engineering, Kings College, AB24 3UE Aberdeen, Scotland, UK

E-mail: m.wiercigroch@eng.abdn.ac.uk

Co-chairman: Prof. Albert A. Rodger, Aberdeen University, UK

Euromech contact person: Prof. Werner Schiehlen

Date and location: August 2001, Aberdeen, Scotland, UK

**426. Swirling Flows**

Chairman: Prof. Helge I. Andersson

Division of Applied Mechanics

Norwegian University of Science and Technology

N-7491 Trondheim, Norway

E-mail: helge.i.andersson@mtf.ntnu.no

Co-chairman: Prof. S.V. Alekseenko, Institute of Thermophysics, Novosibirsk, Russia

Euromech contact person: Prof. Emil J. Hopfinger

Date and location: 16–20 September, 2001, Trondheim, Norway

**427. Computational Techniques and Applications in Nonlinear Dynamics of Structures and Multibody Systems**

Chairman: Prof. Adnan Ibrahimbegovic

ENS – Cachan, LMT/61, Avenue du Président Wilson

94235 Cachan, France

E-mail: ai@lmt.ens-cachan.fr

Co-chairman: Prof. Werner Schiehlen, Inst. B. für Mechanik, Stuttgart, Germany

Euromech contact person: Prof. Werner Schiehlen

Date and location: 25–28 September, 2001, Paris, France

**428. Transport by Coherent Structures in Environmental and Geophysical Flows**

Chairman: Antonello Provenzale

Intituto di Cosmogeofisica del CNR, Corso Fiume 4

I-10133 Torino, Italy

E-mail: anto@icg.to.infn.it

Co-chairman: Andrew Hogg, University of Bristol, Bristol, UK

Euromech contact person: Prof. Paolo Blondeaux

Date and location: 26–29 September, 2001, Torino, Italy

**429. Computational and Experimental Mechanics of Advanced Materials**

Chairman: Prof. E.A. Werner

Lehrstuhl A für Mechanik und Christian-Doppler-Laboratorium

für Moderne Mehrphasenstähle

Technische Universität München, Boltzmannstr. 15

D-85747 Garching b. München, Germany  
E-mail: werner@lam.mw.tu-muenchen.de  
Co-chairman: Prof. H.J. Böhm, TU Wien, Austria  
Euromech contact person: Prof. Franz G. Rammerstorfer  
Date and location: 18–20 September, 2001, München, Germany

**430. Formulations and Constitutive Laws for Very Large Strains**

Chairman: Dr. Jiri Plesek  
Institute of Thermomechanics ASCR, Dolejskova 5  
182 00 Prague 8, Czech Republic  
E-mail: plesek@it.cas.cz  
Co-chairman: Prof. Lars Gunnar Nilsson, Linköping University, Sweden  
Euromech contact person: Prof. Miloslav Okrouhlik  
Date and location: 12–14 September, 2001, Prague, Czech Republic

**432. Spectral Methods and Time Schemes for Incompressible Flows in Complex Geometries**

Chairman: Prof. M. Azaiez  
Institut de Mécanique des Fluides de Toulouse  
UMR 5502 CNRS, Université P. Sabatier de Toulouse  
Allées du Professor Camille Soula, F-31400 Toulouse, France  
E-mail: azaiez@imft.fr  
Co-chairman: Prof. A. Bergeon, Institute of Mechanics of Fluids, Toulouse, France  
Euromech contact person: Prof. Emil J. Hopfinger  
Date and location: September 2001, Toulouse, France

**433. Dynamics of Trailing Vortices**

Chairman: Prof. Wolfgang Schröder  
Aerodynamisches Institut, RWTH Aachen  
Wüllnerstr. zw. 5 u. 7, D-52062 Aachen, Germany  
E-mail: office@aia.rwth-aachen.de  
Co-chairman: Prof. Dieter Jacob, RWTH, Aachen, Germany  
Euromech contact person: Prof. Hans-H. Fernholz  
Date and location: October 2001, Aachen, Germany

**Colloquia in 2002**

**431. Direct Numerical Simulation of Moving Interfaces**

Chairman: Prof. Jean-Paul Caltagirone  
MASTER-ENSCPB, Avenue Pey-Berland BP 108  
F-33402 Talence, France  
E-mail: calta@lmaster.u-bordeaux.fr  
Co-chairman: Prof. Eric Arquis, MASTER-ENSCPB, Talence, France  
Euromech contact person: Prof. Emil J. Hopfinger  
Date and location: May 2002, Talence, France

**434. Contact Mechanics of Coated Bodies**

Chairman: Prof. Viktor M. Alexandrov  
Institute for Problems in Mechanics, Russian Academy of Sciences  
Prospekt Vernadskogo 101, building 1, 117526 Moscow, Russia  
E-mail: goryache@ipmnet.ru  
Co-chairman: Prof. J.J. Kalker, Delft University of Technology, The Netherlands

Euromech contact person: Prof. Irina Goryacheva  
Date and location: May 2002, Moscow, Russia

#### 435. Simulation of Friction and Wear in Metal Forming

Chairman. Prof. Jérôme Oudin  
Industrial and Human Automatic Control and Mechanical Engineering  
Le Mont Houy, University of Valenciennes  
F-59313 Valenciennes Cedex 9, France  
E-mail: euromech435@univ-valenciennes.fr  
Co-chairman: Prof. Serge Cescotto, University of Liege, Liege, France  
Euromech contact person: Prof. Jean Lemaitre  
Date and location: 18–20 June, 2002, Valenciennes, France

**EUROMECH Conferences** are broad in scientific scope. They comprise the EUROMECH Solid Mechanics Conference, the EUROMECH Fluid Mechanics Conference, the EUROMECH Turbulence Conference, the EUROMECH Nonlinear Dynamics Conference and the EUROMECH Mechanics of Materials Conference. They are open to all those interested and are expected to have a number of participants between 150 and 600. The general purpose is to provide opportunities for scientists and engineers to meet and discuss current research. The responsibility for each series of Conferences is delegated to a Standing Conference Committee. The organizational work is carried out by Local Organizing Committees (LOC). Those who are interested in taking part in one of the Conferences should write to the Chairman or Secretary of the appropriate LOC. Information about Conferences in 2000 is given below.

#### EUROMECH Conferences in 2000

##### 8th European Turbulence Conference

27–30 June, 2000, Barcelona, Spain  
Prof. Jose Redondo (ETC8 Co-chairman)  
CIMNE, C1 Campus Nord.  
Universitat Politecnica de Catalunya  
Gran Capitán, s/n  
E-08034 Barcelona, Spain  
Fax: +34 934016517  
For more details access <http://bachelor.upc.es/etc8.html>

##### 4th EUROMECH Solid Mechanics Conference

26–30 June, 2000, Metz, France  
Secretariat L.P.M.M., I.S.G.M.P.  
Université de Metz  
Ile de Saucly  
57 045 Metz Cedex 1  
France  
Tel.: +33 3 8731 5360  
Fax: +33 3 8731 5366  
E-mail: euromech@lpmm.univ-metz.fr  
Webpage: [www.lpmm.univ-metz.fr/euromech](http://www.lpmm.univ-metz.fr/euromech)

**4th EUROMECH Fluid Mechanics Conference**

19–23 November, 2000, Eindhoven University of Technology, The Netherlands

Local Organising Committee

G.J.F. van Heijst (Chairman)

H.J.H. Clercx (Scientific Secretary)

M.E.H. van Dongen

C.C.M. Rindt

A.A. van Steenhoven

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