

## European Mechanics Colloquia 1981

Euromech Colloquia are informal conferences on specialized research topics, and participation is restricted to a small number of European research workers actively engaged in the field. Overall responsibility for Euromech Colloquia is in the hands of the European Mechanics Committee, and the organization of each Colloquium, including the selection of participants for invitation, is entrusted to a Chairman for that Colloquium. People who are interested in taking part in one of the Colloquia listed below should write to the appropriate Chairman. Further information about Euromech Colloquia generally may be obtained from either the Secretary of the European Mechanics Committee, Prof. H. H. Fernholz (Hermann-Föttinger-Institut für Thermo- u. Fluid-dynamik, Technische Universität Berlin, Straße des 17. Juni 135, D 1000 Berlin 12, Germany) or the Chairman of the Committee, Prof. G. K. Batchelor (Department of Applied Mathematics and Theoretical Physics, University of Cambridge, Silver Street, Cambridge CB3 9EW, England).

	<i>Title, date and location</i>	<i>Chairmen</i>
Euromech 137	Flow in collapsible tubes 5-8 January 1981 Cambridge, U.K.	Dr. T. J. Pedley Department of Applied Mathematics and Theoretical Physics University of Cambridge Silver Street Cambridge CB3 9EW, U.K. and Dr. R. C. Schroter, London
Euromech 138	Convective transport and instability phenomena with application to material science 9-11 March 1981 Karlsruhe, Germany	Dr. -Ing. H. Oertel, jr. Institut für Strömungslehre und Strömungsmaschinen Universität Karlsruhe Kaiserstraße 12 D-7500 Karlsruhe, Germany
Euromech 139	Uncontrolled blasts and explosions in industry 13-15 April 1981 Aberystwyth, U.K.	Dr. D. H. Edwards Department of Physics University of Wales Aberystwyth SY23 3BZ, U.K. and Dr. M. A. Nettleton, Leatherhead
Euromech 140	Solution methods in structural plasticity 6-9 May 1981 Udine, Italy	Professor G. Del Piero Facoltà d'Ingegneria Viale Ungheria 45 33100 Udine, Italy and Professor W. Olszak, Udine

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| Euromech<br>141 | Stationary motions of nonlinear<br>mechanical systems<br>23-25 June 1981<br>Enschede, Netherlands   | Professor dr.ir. D. H. van Campen<br>Technische Hogeschool Twente<br>PO Box 217,7500 AE Enschede,<br>Netherlands<br>and Professor dr. ir. A. D. de Pater,<br>Delft                                 |
| Euromech<br>142 | Acoustics of turbulent flows<br>23-25 September 1981<br>Lyon, France                                | Professor G. Comte-Bellot<br>Ecole Centrale de Lyon<br>69130 Ecully, B.P. 163, France<br>and Professor M. Sunyach, Lyon  |
| Euromech<br>143 | Flow and transport in porous media<br>2-4 September 1981<br>Delft, Netherlands                      | Professor dr. ir. A. Verruijt<br>Department of Civil Engineering<br>Delft University<br>Delft, Netherlands<br>and Dr. F. B. J. Barends, Delft  |
| Euromech<br>144 | Mechanics of sedimentation and<br>fluidised beds<br>7-9 September 1981<br>Vienna, Austria           | Professor Dr. W. Schneider<br>Technische Universität Wien<br>Wiedner Hauptstraße 7<br>A-1040 Vienna, Austria<br>and Dr. R. Clift, Cambridge  |
| Euromech<br>145 | Shock waves and relaxation processes<br>in gases<br>14-16 September 1981<br>Jablonna, Poland        | Professor Dr. -Ing. B. Schmidt<br>Institut für Strömungslehre und<br>Strömungsmaschinen<br>Universität Karlsruhe<br>Kaiserstraße 12<br>D-7500 Karlsruhe 1, Germany<br>and Dr. Z A. Walenta, Warsaw |
| Euromech<br>146 | Flows of liquids past bodies with<br>developed cavities<br>28-30 September 1981<br>Grenoble, France | Dr. J. M. Michel<br>Institut de Mécanique de Grenoble<br>B.P. 53 X<br>38041 Grenoble Cedex, France<br>and Dr. A. Rowe, Grenoble  |
| Euromech<br>147 | Damage mechanics<br>22-25 September 1981<br>Cachan/Paris, France                                    | Professor J. Lemaitre<br>Laboratoire de Mécanique et Techno-<br>logie<br>Ecole Normale Supérieure de<br>l'Enseignement Technique<br><br>61, Avenue du Président Wilson<br>94230 Cachan, France     |
| Euromech<br>148 | Two-dimensional separated flows<br>13-15 October 1981<br>Bochum, Germany                            | Professor Dr.-Ing. K. Gersten<br>Institut für Thermo- und Fluidodynamik<br>Ruhr-Universität Bochum<br>Universitätsstraße 150<br>D-4630 Bochum, Germany<br>and Professor K. Stewartson, London      |

Euromech 149	Stress waves in non-elastic solids 23-27 June 1981 Jablonna, Poland	Dr. W. K. Nowacki Institute of Fundamental Technological Research Polish Academy of Sciences Swietokrzyska 21 00-049 Warsaw, Poland and Dr. E. Wlodarczyk, Warsaw
Euromech 150	Analysis of stability by the Liapunov direct method and its application in mechanics October 1981 Jablonna, Poland	Professor R. Gutowski Technical University of Warsaw Nowowiejska 24 00-665 Warsaw, Poland and Prof. V. A. Vujičić, Belgrade

## **Forthcoming papers**

The following papers have been accepted for publication in the *Journal of Engineering Mathematics*:

1. The fluid-filled cylindrical membrane container, by C.-Y. Wang and L. T. Watson.
2. Steady flow and static stability of airfoils in extreme ground effect, by E. O. Tuck.
3. Hodograph transformations and solutions in constantly inclined MDH plane flows, by R. M. Barron and O. P. Chandna.
4. Leading-edge separation from a thick, conical, slender wing at small angles of incidence, by J. Nutter.
5. Solution of a singular integral equation, by A. Chakrabarti.
6. On the mechanics of the bow and arrow, by B. W. Kooi.
7. Nonlinear solution for an applied overpressure on a moving stream, by L. W. Schwartz.