

Please send this report to the Secretary of the European Mechanics Council, Professor Bengt Lundberg, Dept of Mechanical Engineering, Luleå University of Technology, S-951 87 Luleå, Sweden, one month after the Colloquium

General

Euromech Colloquium No: 275

Title: Waves in inhomogeneous and moving media

Chairmen: J. M. B. C. Campos

Place and country: Lisbon, 3-5 March 1991

Dates: Portugal (facilities of Calouste Gulbenkian Foundation)

Finance

The conference fee US\$ 150 included book of abstracts, coffee, tour, conference dinner

Funding: national: US\$ 3000; support for 5 participants

Accommodation (type and cost): hotel (US\$ 50-100 per day), pensão (\$25 per day)

Meals: in one of 20 restaurants near Calouste Gulbenkian Foundation

Participation

Total number of participants: 38(42)* Distribution of participants by country:

Code	Country	Number	Code	Country	Number
A	Austria	<u> </u>	I	Italy	<u>2</u>
B	Belgium	<u>1</u>	IRL	Ireland	<u> </u>
BG	Bulgaria	<u> </u>	N	Norway	<u> </u>
CH	Switzerland	<u> </u>	NL	Netherlands	<u>3</u>
CS	Czechoslovakia	<u> </u>	P	Portugal	<u>7</u>
D	Germany	<u>3</u>	PL	Poland	<u>1</u>
DK	Denmark	<u> </u>	R	Rumania	<u> </u>
E	Spain	<u> </u>	S	Sweden	<u> </u>
F	France	<u>6</u>	SF	Finland	<u> </u>
GB	Great Britain	<u>7</u>	YU	Yugoslavia	<u> </u>
GR	Greece	<u> </u>	SU	Soviet Union	<u>5(12)*</u>
H	Hungary	<u> </u>	-	Others	<u>3</u>

* 5 soviet scientists presented 12 communication
some of their colleagues

Is there need of another colloquium on the same subject? Which year? yes, circa 1996

SCIENTIFIC REPORT

The symposium was close to the minimum number of participants for an Euromech, but this did not prove to be a disadvantage, because: (i) the papers were of high quality; (ii) there was ample opportunity for contact; (iii) the total number of papers was about average; (iv) the papers covered a moderately wide area. I will comment further on points (iii) and (iv).

Concerning point (iii), the number of papers presented (28) was relatively high compared to the number of participants (38) because: (a) most participants presented a paper; (b) most multi-author papers had only one participant; (c) some participants presented their work and that of other colleagues who could not be present. The case (c) arose mostly with participants from Soviet Union and East European countries. A relatively large number of abstracts (more than 20) were received from these countries alone. However, most authors could only cover travel costs and needed support for local costs. Some authors who could cover all costs failed to satisfy all bureaucratic requirements, in spite of the help from the organizer and the Portuguese embassies. Since the organization could only cover the local costs of 4 scientists, these were chosen from east european countries and Soviet Union, on the basis that they would present not only their work but also other abstracts from colleagues in the same institute/city. In this way 5 authors presented the work of about 7 more colleagues who could not come due to non-scientific reasons. This practice could be adopted in other Euromech symposia, to reduce the underrepresentation of countries with currency difficulties.

Concerning point (iv) the papers fell in four areas: fluid-wall interaction; acoustics of flows; magnetic and internal waves; non-linear waves and resonance. The respective sessions were chaired by distinguished participants, namely prof. D.G.Crighton, Dr. W. Mohring, Dr. J.F. McKenzie and prof. A. Pierce. We think the subject could be revisited in another Euromech perhaps in 5 years time.

L.M.B.C. Campos, 25.12.1991