

EUROMECH

EUROPEAN MECHANICS SOCIETY

Final Report

Please send this report to the Secretary General of EUROMECH, within one month after the Colloquium.

EUROMECH Colloquium No: 384

Title: STEADY AND UNSTEADY SEPARATED FLOWS

Dates and location: JULY 6-9, 1998 MANCHESTER, UK

Chairman: P.W. DUCK

Co-Chairman: A.I. RUBAN

Is there need of another Colloquium on the same or a related subject? Which year?

YES 2002/3

Full registration fee: £150

What other funding was obtained? USD \$3000 - EUROPEAN RESEARCH OFFICE, US ARMY

What were the participants offered?

LUNCHES, TEA/COFFEE, RECEPTION, DINNER INCLUDED IN REG. FEE.

Number of members of EUROMECH (reduced registration fee): 13

Number of non-members of EUROMECH (full registration fee): 47

Number of participants from each country:

Austria	<u>1</u>	Germany	<u>3</u>	Romania	<u> </u>
Belgium	<u> </u>	Great Britain	<u>28</u>	Russia	<u>16</u>
Byelorussia	<u> </u>	Greece	<u> </u>	Slovakia	<u> </u>
Bosnia	<u> </u>	Hungary	<u> </u>	Slovenia	<u> </u>
Bulgaria	<u> </u>	Ireland	<u> </u>	Spain	<u>2</u>
Croatia	<u> </u>	Italy	<u> </u>	Sweden	<u>2</u>
Czech Republic	<u> </u>	Latvia	<u> </u>	Switzerland	<u> </u>
Denmark	<u> </u>	Lithuania	<u> </u>	Ukraine	<u> </u>
Estonia	<u> </u>	Netherlands	<u> </u>	Yugoslavia	<u> </u>
Finland	<u> </u>	Norway	<u> </u>	Others	<u>7</u>
France	<u>1</u>	Poland	<u> </u>	Total	<u>60</u>
Georgia	<u> </u>	Portugal	<u> </u>		

Please turn

EUROMECH Colloquium 384
Steady and Unsteady Separated Flows
Chairmen: P.W. Duck and A.I. Ruban (Manchester)

EUROMECH 384 took place in Manchester on July 6th-9th, 1998 with 60 participants from 11 countries.

There were seven invited lectures, together with 37 contributed talks on a wide range of problems related to separated flows, including incompressible/subsonic/supersonic flows, internal and external flows, two- and three-dimensional flows, and laminar and turbulent flows. One of the aims of the meeting (which was accomplished) was to bring together experimentalists, theoreticians and computational fluid dynamicists.

Wider issues that were addressed included our lack of understanding of globally separated flows (except in some very special cases) the failure of practical turbulence models in the separated/separating regimes, and also the interplay between the transition and separation processes.

One of the keynote speakers was Sir James Lighthill, who just a few days after the meeting died tragically; a number of participants from the meeting have been invited to submit papers (based on their contributions) to be compiled by the chairmen in a special theme issue of the Philosophical Transactions of the Royal Society, that will be dedicated to Sir James.

P. W. Duck
16/4/99