

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: 367

Title: FLUID MECHANICS OF COATING PROCESSES

Dates and location: JULY 22-25, 1997 - STRASBOURG (FRANCE)

Chairman: Prof. Patrick BOURGAIN (Louis Pasteur University)

Co-Chairman: Dr Hans-Günter WAGNER (BASF Research Center, Ludwigshafen)

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

Full registration fee: 1900 French Francs

What ~~other~~ funding was obtained? NONE

What were the participants offered? Three days of Technical Sessions + One book of abstracts + social events (wine tasting session + visit of brewery + visit of wine cellar + luncheon + 6 coffee breaks + 3 lunches).

Number of members of EUROMECH (reduced registration fee):

Number of non-members of EUROMECH (full registration fee): 108

Number of participants from each country:

Austria	_____	Germany	19	Romania	_____
Belgium	6	Great Britain	28	Russia	_____
Byelorussia	_____	Greece	_____	Slovakia	_____
Bosnia	_____	Hungary	_____	Slovenia	_____
Bulgaria	1	Ireland	_____	Spain	_____
Croatia	_____	Italy	1	Sweden	_____
Czech Republic	1	Latvia	_____	Switzerland	2
Denmark	_____	Lithuania	_____	Ukraine	_____
Estonia	_____	Netherlands	6	Yugoslavia	_____
Finland	_____	Norway	_____	Others	17
France	27	Poland	_____	Total	108
Georgia	_____	Portugal	_____		

Please turn

Scientific Report

The main objective of the Symposium was to attract people doing research in the field of coating processes, resorting either of industry or of the academic system.

In order to avoid any misunderstanding with researchers working in physics-chemistry, the topic was focused on the fluid mechanics of coating processes.

The result can be considered as satisfactory, from several points of view:

(1) High quality papers were presented (a short abstract of which was given to each attendant prior to the Symposium) - The following sessions were held (no parallel session!...):

- Mathematical modelling
- Computational studies
- Defects and Instabilities
- Spreading and Levelling
- Air entrainment
- Experimental Studies
- Evaporation and drying
- Spin coating
- Multilayer coating

In addition, a poster session was organized (with a 5 minute presentation by each leading author, followed by the poster display during the Symposium).

(2) A large number of countries were represented (15, including USA, Japan, Korea, Israel, Mexico and Canada).

(3) A good balance (50%-50%) between academy and industry.

(4) Outstanding keynote speakers were invited (HONSY from Stanford, DURST from Erlangen, Blake from KODAK, Shikhmurov from Leeds, Carnean from Montreal, Pienard from Grunoble).

(5) Well established results as well as emergent topics were presented to the audience.

(6) Interesting discussions were stimulated during and after the session.

As a conclusion, Eurocoel 367 has been fully representative of a scientific community actively working in the field in consideration.

11/11/97

Please use additional pages if needed. Put date and signature at the end.

P BOURGAIN
Professor of Mechanics
Chairman, Eurocoel 367