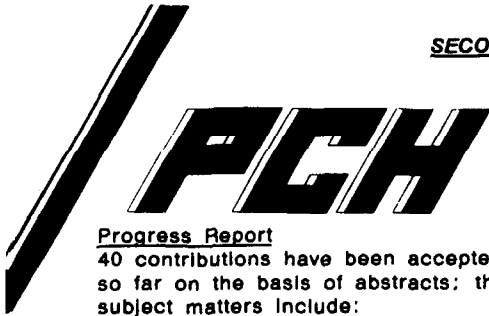


ANNOUNCEMENTS



SECOND ANNOUNCEMENT

Physico-Chemical Hydrodynamics

6TH INTERNATIONAL CONFERENCE

APRIL 6-8 1987

THE QUEEN'S COLLEGE, OXFORD, ENGLAND

Progress Report

40 contributions have been accepted so far on the basis of abstracts; their subject matters include:

- | | |
|------------------------|-------------------------------|
| * Rheology | * Surfactants |
| * Bubble Growth | * Rotating Discs |
| * Electrophoresis | * Interfacial Instabilities |
| * Physiological Flows | * Chemical Vapour Deposition |
| * Particle Suspensions | * Turbulent Flows and Flames |
| * Osmosis and Polymers | * Wave and Cavity Propagation |

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Plenary Lectures

Invitations to deliver plenary lectures have been accepted by:

Professor G Bankoff and Professor S Davis, Northwestern University USA, 'Thin Film Stability'; Professor J van Brakel, Delft Technological University the Netherlands, 'Capillary Liquid Transport in Porous Media'; Professor T Hanratty, University of Illinois USA, 'Gas-Liquid Flow in Pipelines'; Professor L Napolitano, Naples University Italy, 'PCH in Microgravitational Fluid Dynamics'; Professor S Ostrach, Case Western Reserve University USA, 'PCH in Materials Processing'; Professor P Richardson, Brown University USA, 'Physiological Aspects of PCH'; Professor D Saville, Princeton University USA, 'Electrokinetics and Electrohydrodynamics at Interfaces'; Professor A Silberberg, Weizman Institute Israel, 'PCH in Turbulent Flows Close to an Interface'; Professor B Spalding, Imperial College England, 'PCH Aspects of Radio-Nuclear Transport in Soil'; Professor J Szekely, MIT, 'PCH in non-Ferrous Metallurgy'. Acceptances of other invitations are expected.

Conference Theme

Correspondents have urged the desirability of giving the conference the special emphasis of **INDUSTRIAL APPLICATIONS OF PCH**. Further contributions are therefore sought on the many varied aspects of this theme; for example: crystal growth; phase-change processes in alloys; electrochemical and other types of ore reduction; glass production; nuclear-fuel-coolant interactions; etc.

Contributed Papers

Papers on this theme can still be accepted for oral presentation; and poster-session material is especially welcome, not least if it represents 'work in progress' on which authors are seeking comments from participants.

Film and Video Exhibition

Video material has so far been secured on:

- | | |
|---|----------------------------------|
| * The Kelvin-Helmholtz, Rayleigh-Taylor and Landau (Flame) instabilities; | |
| * Wetting studies | * Some toroidal-vortex phenomena |
| * Fluidised-bed phenomena | * Transient natural convection |

Further contributions are invited on visually-interesting phenomena of PCH, whether or not the material has been exhibited before.

Contributors

Prospective contributors are invited to notify the Conference Secretary as soon as possible.

Fee

The attendance fee is £300 and will cover attendance at all sessions, the proceedings, College accommodation for 3 nights, and a reception and banquet.

Conference Committee

Professor S G Bankoff, Professor I Glass, Professor T Hanratty, Professor S Ostrach, Professor A Silberberg, Professor J Szekely.



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