

ANNOUNCEMENTS

1991 FLUID FLOW PROJECTS: TWO-PHASE FLOW IN PIPES

*A state-of-the-art short course based on the most current
research available only through this project*

Division of Continuing Engineering Education, Department of Petroleum Engineering,
College of Engineering and Applied Sciences, University of Tulsa, Oklahoma, U.S.A.

20-24 May 1991

Instructors

Dr James P. Brill and Dr Ovadia Shoham.

What you will learn

Current economic conditions in the petroleum industry suggest that future offshore activity will emphasize subsea completions with full wellstream flow in much longer flowlines. Thus, an improved understanding of multiphase flow in wells, flowlines and risers is of vital importance. This course will give you a state-of-the-art understanding of the fundamentals of two-phase flow in piping systems encountered in the production and transportation of oil and gas. Completed and current research projects permit teaching the latest techniques for designing multiphase flow systems.

Special features

1. An appropriate balance will be maintained between lectures and problem solving, and between theory and application.
2. Problem-solving sessions are dispersed throughout the course to enhance the understanding of variables unique to two-phase flow.
3. Computer algorithms are presented so that you will be able to develop your own programs upon completion of the course.

To receive further information, contact:

The University of Tulsa
Division of Continuing Engineering Education
600 South College Avenue
Tulsa, OK 74104, U.S.A.
Tel.: (918) 631-2347
Telex: 497543, attn Continuing Engineering Education
Fax: (918) 631-2154

Call for Papers

THE FOURTH INTERNATIONAL SYMPOSIUM ON TRANSPORT PHENOMENA AND DYNAMICS OF ROTATING MACHINERY (ISROMAC-4)

Pacific Center of Thermal-fluids Engineering, Honolulu, Hawaii, U.S.A.

5-8 April 1992

The purpose of the symposium is to provide a forum for specialists in rotating machinery to present new developments and discuss the state of the art, the future direction and priorities in the areas of transport

phenomena and dynamics. The symposium has established itself as a major international conference in the area of rotating machinery, with the first three symposia held in 1985, 1988 and 1990.

Scope

Papers are solicited which deal with any aspect of thermo-fluid transport phenomena (mass, momentum, heat and energy transfer), seal and rotor dynamics, vibration and whirl, and related topics such as design and control of rotating machinery. All types of rotating machines, i.e. turbines (gas, steam, hydraulic and wind), pumps, compressors, fans, propellers and others will be considered. Modeling, theory, experiments and numerical methods and simulations are all appropriate. Papers may be results of original research or those which summarize a specific subject. Papers dealing with special topics such as dynamic interaction of rotating machinery with fluid and structures, innovative design concept and new applications, e.g. operation of rotating machinery in space environment, computer disc drives etc., are welcome.

Selection of papers

Initial selection will be made based on submitted abstracts of about 500 English words. The abstract should state clearly the objectives, results and conclusions. Final acceptance will be based on review of the complete manuscript. All accepted papers will be published in the proceedings which will be available at the meeting.

Schedule

15 July 1991	Three (3) copies of abstract due
31 July 1991	Notification of abstract acceptance
15 September 1991	Four (4) copies of full length manuscript due
30 October 1991	Notification of final paper acceptance
15 December 1991	Camera-ready manuscript due

Abstracts should be sent to the Symposium Chairman:

Professor Wen-Jei Yang
2150 G. G. Brown Building
Dept of Mechanical Engineering & Applied Mechanics
University of Michigan
Ann Arbor, MI 48109, U.S.A.
Tel.: (313) 764-9910
Fax: (313) 747-3170

Symposium Cochairpersons:

Dr J. H. Kim
Electric Power Research Institute
3412 Hillview Avenue
P.O. Box 10412
Palo Alto, CA 94303, U.S.A.
Tel.: (415) 855-2671

Dr A. Muszynska
Bently Rotor Dynamics
Research Corp.
Minden, NV 89423, U.S.A.
Tel.: (702) 782-3611, ext. 9674

Professor G. J. Hwang
Dept of Power Mechanical
Engineering
National Tsing Hua University
Hsinchu, Taiwan, R.O.C.

FOURTH EUROPEAN TURBULENCE CONFERENCE ETC-IV

Delft University of Technology, The Netherlands

30 June–3 July 1992

The *Fourth European Turbulence Conference*, held under the auspices of the European Mechanics Committee, will be devoted to fundamental aspects of turbulence of interest to engineers, physicists and mathematicians. Contributions are invited, particularly those reflecting new concepts, new methods or new data.