ANNOUNCEMENT

Third International PHOENICS User Conference

Dubrovnik, Yugoslavia, 28 August–1 September 1989

THE Third International PHOENICS User Conference will be held at the Dubrovnik President Hotel during the week 28 August–1 September 1989. The purpose of the conference is to facilitate the exchange of information between users from different disciplines and to provide a document of the proceedings.

The conference presentations will be arranged in morning and early evening sessions to leave the afternoons free for relaxation and enjoyment of the surroundings and sunshine.

The conference will be held at the Dubrovnik President Hotel which is part of a unique hotel complex located on the Babin Kuk Peninsula, just 4 km from the centre of old Dubrovnik, which offers various beaches, good sports facilities and a large shopping centre. It is hoped that many participants will take advantage of the beautiful location and will combine attendance at the conference with their family holiday. The accommodation price includes breakfast and dinner, leaving participants free to make their own arrangements for lunch. The hotel has two restaurants, two bars, coffee shop and cafeteria. There is also a grill and snack bar on the beach. All rooms have radio, TV and mini-bar. The hotel also has an indoor sea-water swimming pool.

Registration fee: presenter, £400; non-presenter, £450.
Accommodation price (includes city tax)—breakfast and dinner Sunday night–Friday morning:

Single room	£200
Twin room	£350
Twin room (sole occupancy)	£300

(there is limited availability for single room accommodation). Special arrangements can be made for family accommodation upon request, and for extended stays.

Papers will be presented in the following sessions: Combustion Applications, Internal Combustion Engines, Aerodynamics, Environmental Flows, Process Engineering, Metallurgical Applications, Fundamental Studies, Jet Flows, Turbulence Modelling, Heat Transfer Applications and Extensions to PHOENICS.

Some of the papers which will be presented are as follows:

Simulating complex industrial processes using PHOENICS—G. Simard, R. T. Bui (University of Quebec) and V. Potocnik (Alcan Int., Quebec);

The modelling of heat and fluid flow in DC casting of aluminium alloys—S. C. Flood, K. Kasai, L. Katgerman and C. M. Read (Alcan Int., Oxford);

Particle tracking of solidifying molten metal droplets during gas atomization—S. Rogers and L. Katgerman (Alcan Int., Oxford);

Investigations on the atomization of molten metals: the coaxial jet and the gas flow in the nozzle near field—U. Fritsching, V. Uhlenwinkel and K. Bauckhage (University of Bremen);

Lateral forces on spherical bodies in laminar shear flow—U. Fritsching and K. Bauckhage (University of Bremen);

Modelling and axisymmetric curved wall jet with application to the coanda flare—D. B. Gregory-Smith (Durham University) and M. J. Hawkins (ICI Chemicals);

Numerical study of the flow field for confined laminar jet impingement—K. Jambunathan, S. Kapasi, J. A. Bland and B. L. Button (Trent Polytechnic);

Wind pressure coefficients: a comparison between PHOENICS and wind tunnel results—A. Y. Gadilhe and B. A. Fleury (LASH ENTPE, France);

Numerical study of a MHD flow in a non-uniform magnetic field—F. Manzini, A. Castrejon and E. Ramos (Laboratory of Solar Energy, Mexico);

Modelling of peat dust combustion—L. Kjaldman (Technical Research Centre of Finland);

Air flow patterns in ventilated rooms—A. Lamers and R. van de Velde (Eindhoven University of Technology);

A survey note on non-Newtonian fluid simulation—T. Maeda (Century Research Center Corporation, Tokyo, Japan);

A survey note on pressure boundary conditions—T. Maeda (Century Research Center Corporation, Tokyo, Japan);

Modelling of gas flow in a vertical chemical vapour deposition (CVD) reactor—W. Montasser (Alcan Int., Ontario);

Simulation of film-cooling on flat plates—A. Minervini (Fiat Aviazione, Italy);

Calculation of turbulent buoyant plumes with a Reynolds stress transport closure—M. R. Malin (CHAM Limited, U.K.) and B. A. Younis (City University, London);

A PHOENICS simulation of Stommel's ocean—L. Nyberg (Swedish Meteorological and Hydrological Institute);

Comparison between two models of boundary layer development at a step change in surface roughness—G. Pulles (VEG Gasinstituut, Apeldoorn) and L. Lamers (University of Technology, Eindhoven);

Three-dimensional calculation of the waterflow in a cylindrical head—S. Schockle (IFB Dr R. Braschel GmbH, Federal Republic of Germany);

Use of a flame-front model for numerical prediction of combustion in a spark-ignition engine—P. Shah, D. R. Glynn and M. R. Malin (CHAM Limited, U.K.).

If you would like to attend the conference, please contact:

Mrs S. K. Stevens
Conference Organizer
Bakery House
40 High Street
Wimbledon SW19 5AU, U.K.
Tel: 01-947-7651
Telex: 9288517
Fax: 01-879-3497.