

Second Law Analysis Methods

[2–3 April 1985, Edinburgh, U.K.]

A COURSE is to be held at Heriot-Watt University on Second Law (energy) analysis methods with applications to power and cogeneration plant and heat exchanger design.

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Polymodel 8—Industrial Fluid Flow Computation

22, 23 May 1985, Teesside Polytechnic, U.K.

Announcement and Call for Papers

THE EIGHTH of the annual conferences organised by the North East Polytechnics Mathematical Modelling and Computer Simulation Group will be held at Teesside Polytechnic on 22, 23 May 1985. Polymodel is organised by a joint industrial/academic collaborative group with several research activities in the field of fluid flow. The conference is orientated toward industrial applications and aims to examine successful modelling approaches and their limitations. It is intended that the application bias and software exhibition will complement other conferences which emphasise mathematical techniques.

The keynote speakers are Dr. A. G. Hutton (C.E.G.B. Berkley), Professor D. B. Spalding (Imperial College) and Professor K. Walters (Aberystwyth). The software exhibition will include the following fluid flow solution packages: NAG/SERC finite element library, FEATT (C.E.G.B. finite element solver for turbulent flow), PHOENICS (for single and multiphase flow computations) and the British Steel fluid package.

The outline programme for the conference is:

Wednesday 22 May 1985

Session 1. Basic Industrial Fluid Flow.

Keynote Address by Dr. A. G. Hutton (C.E.G.B. Berkley).

Three contributed papers.

Session 2. Software Exhibition and Poster Session.

Conference Dinner.

Thursday 23 May 1985

Session 3. Multiphase Flow.

Keynote Address by Professor D. B. Spalding (Imperial College). Three contributed papers.

Session 4. Non-Newtonian Flow.

Keynote Address by Professor K. Walters (The University College of Wales, Aberystwyth). Three contributed papers.

Session 5. Overview and Conclusion.

The conference fee including meals and a bound copy of the proceedings is £75. Inexpensive accommodation is available. Offers of papers and/or software and requests for information should be sent to:

Conference Secretary, Dr. A. W. Bush, Department of Mathematics and Statistics, Teesside Polytechnic, Borough Road, Middlesbrough, Cleveland TS1 3BA, U.K. (Telephone: 0642-218121 ext. 4376).