

Thursday 26 March

13. Nuclear Reactor Safety: **G. Yadigaroglu**. Accident sequences; large break, small break. Governing phenomena; critical flow, bypass etc. Emergency cooling systems.
14. Nuclear Severe Accidents: **T. G. Theofanous**. General introduction. Contributing phenomena; core/concrete interactions, dryout in porous media, steam explosions. Examples: Three Mile Island, Chernobyl.
15. Chemical Plant Safety: **S. Banerjee**. General review. Emergency relief systems. Knockout pots and suppression systems. Spills and two-phase jets; dispersion to environment.
16. Two-phase Explosions: **T. G. Theofanous**. Vapour explosions; basic mechanisms, energy conversion, damage potential. BLEVs ("boiling liquid expanding vapour") explosions. Dust and mist explosions; venting.

Friday 27 March

17. Steam Generators: **G. Hetsroni**. Applications of steam generating equipment; non-nuclear, nuclear. Generic problems; corrosion and fouling, tube vibrations. Improved design.
18. Modelling of Aerospace (Microgravity) Systems: **T. G. Theofanous**. Thermal management of space stations; concepts of material processing in space. Two-phase flow regimes. Heat transfer in the presence of boiling and condensation. Thermocapillary phenomena.

Course Fee: S.Fr.1600.

For additional information contact

Professor G. Yadigaroglu
ETH-Zentrum
8092 Zurich, Switzerland
Tel.: (+ +41-1) 256.4615

**SECOND INTERNATIONAL CONFERENCE ON
LASER ANEMOMETRY
ADVANCES AND APPLICATIONS**

University of Strathclyde,
Glasgow, Scotland
21–23 September 1987

The organizing committee invite authors to submit abstracts on topics including:

General applications
Flows with heat transfer
Single-phase fluid mechanics
Two-phase flow studies
New systems and fibre optics
Data processing
Comparisons—computer solution
Measurement and method

Draft papers will be selected on the basis of 300-word abstracts. All papers will be refereed before acceptance.

Deadlines

Abstracts (300 words)	1 December 1986
Draft papers for refereeing	1 February 1987
Final paper	1 June 1987

Abstracts should be submitted to:

LDA Conference
Dr S. M. Fraser
Mechanical and Offshore Engineering
University of Strathclyde
Glasgow G1 1XJ
Scotland