

## ANNOUNCEMENTS

### 1972 INTERNATIONAL HEAT TRANSFER SEMINAR TROGIR, YUGOSLAVIA

August 30–September 6, 1972

#### *Recent Developments in Heat Exchangers.*

The International Centre for Heat and Mass Transfer in Beograd, Yugoslavia announces its 5th seminar on heat and mass transfer for the fall of 1972.

In contrast to the earlier seminars, which were devoted to basic research and the scientific foundations of this field, the coming seminar will center around the application of these foundations to technical problems.

Recognizing that new technical developments, as a rule result from the cooperation of experience and scientific analysis, this seminar is to bring together the practicing engineer and the scientist in order to discuss common problems and thus introduce the results of applied research to industry in the shortest possible way.

The following topics will be covered in the seminar:

#### *A. Design of Heat Exchangers*

- A. 1 Heat transfer problems and the selection of the type of equipment
- A. 2 Calculation and design of heat exchangers
- A. 3 Economics and optimization

#### *B. Operation of Heat Exchangers.*

- B. 1 Steady state operation
- B. 2 Start-up and transient behaviour of heat exchangers
- B. 3 Fouling, corrosion, vibration and safety of heat exchangers

#### *C. New Developments in Heat Exchanger Design and Equipment*

- C. 1 Development of new heat exchanger elements and equipment
- C. 2 Development of new heat transfer processes.

It is intended to cover in the seminar all types of heat exchangers, e.g. recuperators as well as regenerators operating with single or multiphase flow in one or multicomponent systems with or without phase change. The operating conditions may extend from normal conditions to high as well as low temperatures and pressures.

Also included in the scope of the seminar is the discussion of equipment used for simultaneous heat and mass transfer

or chemical reaction like gas coolers, dryers, adsorbers, or packed beds as long as the design or the operation of such equipment is determined predominantly by the principles of heat transfer.

The papers, which are called for by this announcement, may deal with the design or operation of heat exchangers. Each paper will be delivered by the author in a presentation not exceeding 20 min and may be given in English, French, Russian or German. A simultaneous translation will be provided.

The seminar meets on the Adriatic Coast in a beautiful scenic setting and there will be ample time to develop personal relations on the session-free weekend.

Authors wishing to present a paper should send a summary of approximately 300–500 words to one of the following members of the Seminar Committee before 1 April 1972.

The deadline for the receipt of printable full texts is 1 July 1972.

Prof. Dr.-Ing E. U. Schlünder (Chairman)  
Lehrstuhl und Institut für  
der Universität Karlsruhe  
75 Karlsruhe  
Kaiserstrasse 12 BRD

Prof. Dr. T. Gregorić (Vice-Chairman)  
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Prof. Dott. F. Mattarolo  
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### **SYMPOSIUM ON HEAT AND MASS TRANSFER PROBLEMS IN FOOD ENGINEERING**

"The International Union of Food Science and Technology and the European Federation of Chemical Engineering are organizing a *symposium* on "*Heat and mass transfer problems in food engineering*", which will take place in Wageningen, the Netherlands, from 24–27 October 1972.

Papers will be presented in the following sections: steady

and non-steady state heating or cooling, steady and non-steady state mass transfer and simultaneous heat and mass transfer.

Write for more information to the International Agricultural Centre, P.O. Box 88, Wageningen, the Netherlands".