

**SINGLE AND TWO-PHASE
NATURAL CIRCULATION
EUROTHERM SEMINAR NO. 63**

6-8 September 1999
Genoa (Italy)
DITEC - University of Genoa

Its purpose is to organise and to coordinate scientific events such as seminars in the field of thermal sciences.

The series of Eurotherm Seminars has become a popular forum for high-level scientific and technical exchange of ideas in a wide range of specific topics relevant of the field of thermal sciences. The primary aim is to stimulate discussion and connections between groups of experts. The President of Eurotherm Committee is Dr. G.P. Celata of Enea - Rome.

Information

Secretary of the Committee,
Prof. P. Tartarini, University of Modena,
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Intended scientific scope of the seminar and range of topics include the following.

Natural circulation is an important phenomenon in many technological fields, having application in chemistry, nuclear reactors, oil industry.

Fluid-dynamic instabilities, both in one-phase and two-phase, and heat transfer, even at very low velocity and pressure, constitute typical critical issues, object of research.

The main objective of the Seminar is to promote scientific exchanges among specialists in the field, including energy conversion, cooling of electronic components, nuclear reactor applications, heat pumps, space applications, meteorology. Special emphasis will be given to the following topics:

- one-phase and two-phase natural circulation in integral test facilities, industrial and power plants;

- heat transfer in natural circulation;
- flow instabilities;
- numerical simulation;
- measurement techniques.

Methodologies related to models development, codes application, instrumentation development and use, design of experimental facilities and relevant experimental results, as well as data from technological system and state of the art reviews, are expected to be presented and discussed.

Contact

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**VDI-GET (VDI-SOCIETY ENERGY
TECHNIQUES
CONFERENCES 1999**

23-24 February 1999, Cottbus. Advanced Utilisation of Brown Coal in a Liberalised Energy Market.

02-05 March 1999, London. Turbomachinery-Fluid dynamics and Thermodynamics.

30-31 March 1999, München, Advanced Energy Conversion and Application.

29-30 April 1999, Schliersee. Energy Supply after 2000.

04-05 May 1999, Berlin. Technical Concepts for Cost Savings in Electrical Energy Supply.

01-02 June 1999, Sao Paulo, Brazil. German-Brazilian Energy Symposium. Advanced Energy and Power Station Technology.

15-16 June 1999, Essen. BHKW'99 (Thermal Power Stations '99).

14-15 September 1999, Dresden. 19th German Flame Conference.

22-23 September 1999, Karlsruhe. Thermodynamic Colloquium.

03-04 November 1999, Stuttgart. Optimisation in Energy Supply.

CONGRÈS NATIONAL AICVF 1999

**LA COMMUNICATION
ET LE GÉNIE CLIMATIQUE**

21 au 24 octobre 1999
Strasbourg, France

Contact

AICVF-Strasbourg
Yves Tersac, secrétaire du congrès.
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EXHIBITIONS / SALONS

SITS'99

**SALON INTERNATIONAL
DU TRAITEMENT DE SURFACE**
30 mars - 2 avril 1999
Paris-Nord Villepinte
Paris, France

MESUCORA 99

**SALON INTERNATIONAL
DE MESURE, CONTRÔLE, RÉGULATION,
AUTOMATISME,
INFORMATIQUE INDUSTRIELLE**
12-16 avril 1999
Paris-Nord Villepinte
Paris, France

BATIMAT 99

**SALON INTERNATIONAL
DE LA CONSTRUCTION**
8-13 novembre 1999
Paris Expo-Porte de Versailles
Paris, France

INTERCLIMAT -

INTERCONFORT 99
**16^e SALON INTERNATIONAL
DU CHAUFFAGE, DU FROID,
DE LA CLIMATISATION
ET DE LA SALLE DE BAIN**
8-13 novembre 1999
Paris-Nord Villepinte
Paris, France