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Announcement
Computational Thermal Radiation in Participating Media

Eurotherm Seminar Nr 73
15–17 April 2003
Mons, Belgium
<http://www.eurotherm73.fpms.ac.be>

This seminar will present the state of art and the modern trends in computational radiative transfer in participating media. It will focus on novel and improved solution techniques as well as on their application to actual engineering problems. The main topics of the seminar will be:

- Solution of the radiative transfer equation. New development in discrete ordinates methods, discrete transfer, finite volume, zonal method, ray tracing, spherical harmonics, . . .
- Monte-Carlo methods (and coupling of MC with other techniques).
- Radiative transfer at time or space microscale.
- Turbulence–radiation interaction.
- Complex geometries and/or optically complex media (crystals, . . .).
- Gas radiation modelling.
- Coupled heat transfer involving significant radiative effects, and relevant applications (combustion, fire safety, furnaces, high temperature heat exchangers, glass manufacturing, . . .).

Although our primary interest is thermal radiation, contributions of researchers from any field related to radiation (neutronics, astrophysics, biomedical, . . .) will be welcome provided they fit well the main scopes of the seminar.

Scientific Committee

Chairpersons:

P. Lybaert—Fac. Polytechnique, Mons, Belgium

N. Selçuk—METU, Ankara, Turkey

D. Lemonnier—LET–ENSMA, Poitiers, France

Deadline for abstract submission (2 pages max)

15th September 2002

For any information

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