

6th International Symposium on Radiative Transfer

13 – 19 June, 2010
Antalya, Turkey

<http://www.ichmt.org/rad-10>

The International Centre for Heat and Mass Transfer (ICHMT), is pleased to announce the 6th International Symposium on Radiative Transfer, RAD-10, taking place in Antalya, Turkey, during 13-19 June, 2010.

OBJECTIVE

The Sixth International Symposium on Radiative Transfer will be held in Antalya, a resort town on the Mediterranean Coast of Turkey. Radiation 2010 is built on the success of five previous meetings held in Kusadasi, in 1995, 1997, in Antalya in 2001, in Istanbul in 2004, and in Bodrum in 2007. As before, the main objective of the Symposium is to bring together scientists and engineers involved in radiative transfer research and to provide a relaxed atmosphere for in-depth discussion of theory, experiments, and applications.

This meeting will honor Professors Pinar Mengüç, Nevin Selçuk, and Jean Taine, who have made significant contributions to the field of Radiation Transfer and the international technical community.

CONFERENCE TOPICS

A wide range of topics related to classical and emerging areas of radiative transfer and their applications will be covered, including:

- Novel numerical, analytical and hybrid techniques for the solution of radiation transfer equation in multidimensional and complex geometries.
- Radiative transfer in optically complex media (anisotropic properties, graded index, etc.)
- Advanced radiative transfer models for industrial and combustion system including furnaces, IC engines, gas turbines.
- Radiative properties of gases, particles, agglomerates and non-homogenous structures;
- Interaction of radiation with conduction, convection, turbulence, chemical kinetics, and soot formation.
- Inverse solution techniques in radiation applications.
- Innovative application of radiative transfer for improved manufacturing processes.
- Fundamentals and applications of radiative transfer to remote sensing.
- Radiative transfer in atmospheres and oceans.
- Biomedical applications of radiation transfer
- Nano- and micro-scale radiative transfer.
- Radiative transfer-based diagnostic systems.