

Pre registration form

Computational Thermal Radiation in Participating Media IV

Title

Last Name

First Name

Affiliation

Dpt.

Address

ZIP

Town

Country

Phone

Fax

E-mail

I intend to submit a paper

Title (attempt):

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.....

Practical information

Following the conferences held in Mons (2003), Poitiers (2006) and Lisbon (2009), CTRPM-IV will be the fourth edition of a now well established series of seminars devoted to numerical methods in radiative transfer through participating media.

Language

The seminar official language will be English.

Venue

CTRPM-IV is hosted by LEMTA laboratory from the University of Nancy. Nancy is the historical capital of Lorraine, in north east of France, and is located 300 km east from Paris. The 5th university town in France with one student per seven inhabitants, Nancy is a dynamic city renowned for its extraordinary cultural and artistic heritage. Its famous Place Stanislas is regarded as the most beautiful royal square in Europe and its old town is a direct legacy of the Dukes of Lorraine.

Nancy is easy to reach, connected to Paris by the TGV train (1h30 from Paris and the Paris Charles de Gaulle airport TGV train station).

More information about Nancy can be found at:

<http://www.ot-nancy.fr/>

Web Site

Information on the seminar will be soon available.

Seminar Secretariat

Pr. D. LACROIX

LEMTA, CNRS

Nancy Université

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FIRST ANNOUNCEMENT CALL FOR ABSTRACTS



Computational Thermal Radiation in Participating Media IV

April 18-20, 2012

Nancy, France



Organized by

LEMTA, CNRS
Nancy Université, Nancy,
France

Scientific scope and topics

This seminar will present the state of the 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 applications to actual engineering problems. The main topics of the seminar will be:

- New developments for the solution of Radiative Transfer Equation.
- Monte-Carlo methods and coupling of MC with other techniques.
- Radiative transfer in complex geometries and/or optically complex media.
- Radiative transfer problems at micro- and nanoscales.
- Turbulence-radiation interactions.
- Inverse methods in radiative transfer.
- Gas and plasma radiation modelling.
- Radiative properties of particles, agglomerates and disperse systems.
- Coupled heat transfer problems involving radiative effects.
- Applications to combustion systems, fire safety, high temperature heat exchangers, glass manufacturing, and high temperature thermal protection devices.

Instructions for authors and deadlines

Paper selection will be based upon a reviewed abstract of 500 words minimum with a maximum of two pages. Abstract should clearly state the purpose, the methodology, the results and the conclusions of the work. It should indicate the name of the authors, affiliation and address with phone, fax and e-mail. Preferably, abstracts should be prepared according to the templates from the conference website. The abstract should be then uploaded on the conference website (soon available). Both oral and poster contributions are accepted. About 40 oral contributions will be selected and a poster session will be organized.

Abstract due: **November 1, 2011**
Notification of acceptance: **November, 5 2011**
Full paper due (10 pages): **December, 1 2011**
Notification of acceptance: **January, 15 2012**
Camera ready paper: **February, 15 2012**

The accepted papers will be published in a bound volume that will be distributed to the participants.

A selection of best papers will be proposed for publication in the J. Quant. Spec. Rad. Transfer.

Registration

Registration fee is 375 Euros. This includes the lunches and coffee breaks, the conference dinner and a social event. Registration for graduate students is 225 Euros.

The fees must be received at the seminar secretary on March, 1st, 2011.

Scientific Committee

Chairs:

P. Boulet, *LEMETA*, Nancy, France

D. Lemonnier, *Institut P'*, Poitiers, France

N. Selçuk, *Middle East Technical Univ.*, Ankara, Turkey

P. Lybaert, *Faculté Polytechnique de Mons*, Belgium

Members:

In preparation

Organizing Committee, LEMETA, Nancy,
<http://lemta.ensem.inpl-nancy.fr>:

Z. Acem, P. Boulet, A. Collin, S. Fumeron, G. Jeandel,
D. Lacroix, E. Lang, B. Monod, G. Parent, V. Reichart,

Proceedings

The communication texts will be published in a bound volume that will be distributed to the participants.

Nancy-Université
Université
Henri Poincaré

