

Practical information

Following the conferences held in Mons (2003), Poitiers (2006), Lisbon (2009) and Nancy (2012), CTRPM5 will be the fifth 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

CTRPM5 is hosted by Mines Albi which is a French "Grande école" training multi-disciplinary engineers and doctors in Engineering Sciences.

website

Informations about the conference can be found at:
<http://ctrpm5.wp.mines-telecom.fr>

Albi is located 70 km from Toulouse, France, which can be reached by direct flights from most of the larger cities, followed by the one hour trip to Albi via a direct highway. Albi is situated in the Tarn department, lying between the Aquitaine basin and the Massif Central, near the Gaillac vineyards, the Cordais plateau and the Grésigne forest. Albi is one of the favourite destinations in southern France that combines a number of advantages: a listed heritage in the centre of a city built on a human scale, and a gentle lifestyle due to the sunshine, fine wine and food, and the generous and hospitable character of the people. Albi is a very nice old medieval town, whose Episcopal City belongs to the UNESCO World Heritage List. More information about Albi can be found at: <http://www.albi-tourisme.fr/us/>

For online submission of papers or abstracts and registration please connect to the Website:

<http://ctrpm5.wp.mines-telecom.fr>

Third call Computational Thermal Radiation in Participating Media V

Eurotherm seminar N° 105



April 1-3, 2015
ALBI, France



Organized by
LAPLACE-RAPSODEE
Richard Fournier & Mouna El Hafi
Mines Albi
Université de Toulouse

About EUROTHERM

The series of EUROTHERM Seminars established by the Committee has become a popular forum for high-level scientific and technical interchange of ideas in a wide range of specialist topics. While the presentation and publication of papers at the Seminars are encouraged, the primary aim is to stimulate discussion and liaison between specialist groups. The President of EUROTHERM in 2014-2018 is Prof. Paulo Di Marco. Information on future SEMINARS is available from the Secretary, Prof. Janus Szmyd, AGH University of Science and Technology in Kraków,.

For more information, see:

www.eurothermcommittee.eu

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, Furnaces, and high temperature thermal protection devices. - Radiation in biological systems.
- Photoreactive processes
- Radiative transfer for medical applications.
- Radiative transfer in planetary atmospheres and oceans

Standard-format sessions will be complemented by two brief open-views on "Plasma physics" and "Radiation in exo-planetary atmospheres".

Instructions for authors, deadlines

- Before december 15th, contributors must send either an extended abstract (3 pages) or a full paper (approximately 10 pages or more, see the templates in the conference website <http://ctrpm5.wp.mines-telecom.fr>).

- The scientific committee will evaluate the quality of the received texts in order to select contributions for oral presentation. Extended abstracts and full papers will be considered with equal attention.

- After the conference all texts (extended abstracts and full papers) will be published in *Journal of Physics: Conference Series* or in *JQSRT* for a selection of the most impacting contributions.

- The authors that initially made the choice to send only an extended abstract and were retained as most impacting contributions, will have no more than one month delay to write the corresponding full paper after the conference.

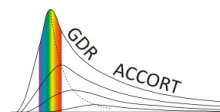
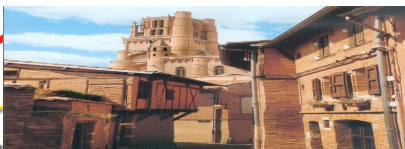
Deadlines

Extended Abstract Or

Full paper due:

December, 15 2014

Notification of acceptance: **January, 25 2015**



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 February, 28th, 2015. No refund is possible in case of cancellation.

Scientific Committee

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