

Advanced Spring School Thermal Measurements & Inverse Techniques

- 6th Edition -

Domaine de Françon
Biarritz, France
March 1-6, 2015



Registration Fees[†]:

PhD Student (double bedroom) 500 €

CNRS employee*

Academic 850 €

Other 1200 €

[†]The price includes accommodation, meals, proceedings, etc.* to be confirmed (a specific request to CNRS for fee exemption is under way)

If you are considering attending the school, you are requested to follow the registration procedure explained in the web site, from March 2014 onwards.

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<http://www.sft.asso.fr/metti6>



After final registration, participants will be asked to complete the travel schedule and tutorial registration form. All the forms, travel details, registration and tutorial selection can be downloaded from the school web-site.

Venue, accommodation & access

• Venue

The school will be held in the "Domaine de Françon" in Biarritz, in the Atlantic coast of Aquitaine.

• Accommodation

Double and single room accommodations as well as meals are provided within the Domaine.

• Access

By road: A63 exit Biarritz Parme, RN 10 - flyover to Bayonne. Turn right before the flyover, towards Biarritz center (Kennedy Avenue) and Francis James street on the left (Hotel School on your right) to the street fair.

By train: 1.5 km Biarritz - Atlantic Taxi Tourism Tel. : 05 59 03 18 18

By plane: Biarritz-Parme Airport 2 km.

First announcement

Eurotherm Seminar



Metti⁶

"Thermal Measurements & Inverse Techniques"

ADVANCED SPRING SCHOOL

<http://www.sft.asso.fr/metti6>

March 1-6, 2015
Domaine de Françon
Biarritz - France

Scope – Techniques for solving inverse problems as well as their applications may seem quite obscure for newcomers to the field. These are met in different areas in the physical sciences and particularly in Heat Transfer. Experimentalists desiring to go beyond traditional data processing techniques for estimating the parameters of a model with the maximum accuracy feel often ill prepared in front of inverse techniques. In order to avoid biases at different levels of this kind of involved task, it seems compulsory that specialists of measurement inversion techniques, modelling techniques and experimental techniques share a wide common culture and language. These exchanges are necessary to take into account the difficulties associated to all these fields. It is in this state of mind that this school is proposed. The METTI Group (Thermal Measurements and Inverse Techniques), which is a division of the French Heat Transfer Society (SFT), has already run or co-organized five similar schools, in the Alps (Aussois) in 1995 and 2005, in the Pyrenees (Bolquère-Odeillo) in 1999, in Rio de Janeiro (2009) and in Roscoff (2011). For this sixth edition the school is again open to participants from the European Community with the support of the Eurotherm Committee.

Attendance – About 80 to 100 attendees and instructors (PhD Students, academics, R&D engineers) from different countries.

Metti committee - D. Maillet, B. Rémy, J.-L. Battaglia, J.-C. Batsale, B. Garnier, Y. Favennec, L. Perez, E. Videcoq, M. Girault, J. Virgone, C. Le Niliot, F. Rigollet, J.-L. Gardarein, P. Le Masson, N. Laraqi, O. Fudym, F. Lanzetta, J.-C. Krapez, H. Pron, N. Horny, O. Faugeroux, B. Claudet, S. Gomès, H. Orlande.



Program

Lectures

Lectures will be given from 9:00 to 12:30 every morning from Monday to Friday on the following courses: Inverse problems, parametric estimation, nonlinear estimation, optimization, regularization, sensors, function estimation, signal processing, model reduction, etc.

Tutorials

Tutorials will be held in the “*Domaine de Françon*” between 17:00 and 20:30 from Monday to Thursday. They will include an experimental and/or a numerical part. The detailed abstracts of the tutorials will be presented on the school website. Each participant will be asked to choose tutorials according to the schedule, with a maximum number equal to six, at least.

Documents

Two course books will be distributed at the arrival of the participants.

Posters

PhD students and young academics are invited to present their studies through a poster in order to have a support for further interaction and discussion with more experienced 'inverters'.

Organization of the school

Scientific coordination:

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Language:

English.



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