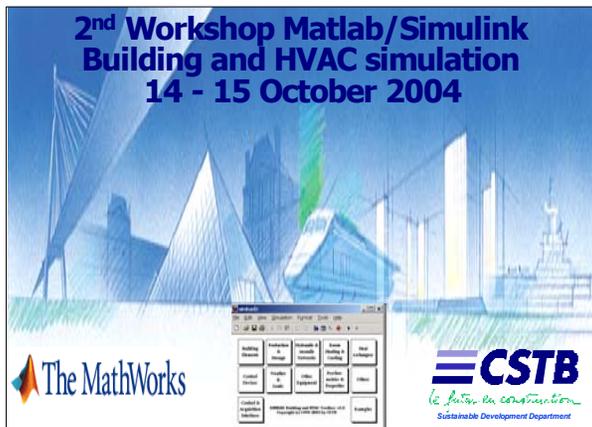


2nd Workshop Matlab/Simulink Building and HVAC simulation 14 - 15 October 2004



General

The use of Matlab, a tool for mathematical programming, is actually increasing in a large number of fields. Together with its dynamic simulation toolbox Simulink, originally developed for control and automation applications, has become a powerful tool that is suitable for a large number of applications. Many other Matlab toolboxes exist that can be combined, as for example optimisation, control, CFD or even virtual reality. The range of possible applications of the tool is very large and still increases since the tool is used in many fields of dynamic simulation and mathematical programming (cars, engines, etc.).

In the field of building and HVAC, the number of users of Matlab/Simulink has also been increasing rapidly in the last years. The tool is suitable for many applications in this field as for example the study of energy consumption, control strategies, hydraulic and air flow studies, IAQ, comfort, sizing problems. More and more studies are being published using Matlab/Simulink environment for development of specific tools and for simulations of buildings and technical building services.

To date, there is very little exchange of know-how and other information between the users of this tool in order to exchange information about modelling techniques or simulation techniques.

The first workshop of this type in 2003 has been a great success <http://ddd.cstb.fr/simbad/workshop>. CSTB organises now a second workshop on Building and HVAC simulation using the tool Matlab-Simulink and related toolboxes.

Who should attend?

All academics, professionals and practitioners, actual or future users of this tool as well as any other interested person.

Themes and topics

Presentations in one of the following fields:

- Modelling and structuring in the graphical environment
- Simulation and emulation (IAQ, comfort, control, energy consumption, ventilation)
- Visualisation techniques
- Coupling with other Matlab toolboxes (CFD, Optimisation, control, virtual reality etc.)
- Software demonstrations

Deadlines

Abstracts and pre-registration: 31 August 2004

Proceedings

Abstracts and Presentations will be published on the workshop homepage.

Language

The workshop language will be English.

Fees

150 € (including lunch and social event at the centre of Paris)

Place

CSTB, 4, av. du Recteur Poincaré,
75782 Paris Cedex 16, France.

Access:

<http://www.cstb.fr/frame.asp?URL=implantations/implantations.htm>

Workshop CSTB -Registration Form

- I plan to attend the workshop
- I plan to present my work entitled

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Surname:

First Name:

Organisation:

E-mail:

Mail:

.....

Postal code:

City:

Country:

Phone:

Fax:

Signature

Please return this form and the abstract to:

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