Venue

EES-TRNSYS Days 2010 will take place at the University of Liège, Arlon Campus (Arlon, Belgium). Maps of Arlon and other information about the meeting are available on the BEMS Web site (www.bems.ulg.ac.be)

Registration fees

Before June 25, 2010

Three days .... 250 €

One day .... 120 €

After June 25, 2010

Three days .... 300 €

One day .... 150 €

This amount covers the registration, lunches, refreshment and proceedings.

Registration on Web site www.bems.ulg.ac.be

Contacts

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Accommodation

Appart'City Arlon	Phone : +32 63 24 23 00
Rue Zénobe Gramme, 17	Fax : +32 63 24 23 01
B-6700 Arlon	Web site: www.apparcity.com

Best Western Hotel Arlux	Phone : + 32 63 23 22 11
Rue de Lorraine, 54	Fax : +32 63 23 22 43
B-6700 Arlon	Web site: www.bestwestern.be

Hotel du parc- Pizzéria Trulli
| Avenue J-B Nothomb, 2 | Phone : +32 63 21 81 79 |
| B-6700 Arlon | Fax : +32 63 22 02 06 |

Please, make your reservation yourself, as soon as possible, mentioning that you are taking part to the meeting!

BUILDING ENERGY MONITORING AND SIMULATION (BEMS)

THERMODYNAMICS LABORATORY (LT)

UNIVERSITY OF LIEGE

EES-TRNSYS Days'2010

With presentation and training on TRNSYS 17

June 30th - July 2nd , 2010

University of Liège

Arlon Campus

Belgium

Meeting Organizers

General Coordination:

Philippe André, BEMS

Vincent Lemort, Thermodynamics Laboratory (LT)

EES:

Vincent Lemort, Stéphane Bertagnolio, and Sylvain Quoilin (LT)

TRNSYS:

Philippe André, Vincent Dolisy, Bertrand Fabry, Samuel Hennaut and Sébastien Thomas (BEMS)

Preliminary Program

Wednesday June 30 th - EES/TRNSYS 17

9h00-10h30: First session

General presentations of EES and TRNSYS:

New features in both programs.

Presentation of TRNSYS 17

11h00-12h30: Second session

Visit Test building Jacques Geelen

Presentation of EES applications (**)

Lunch

14h00-15h30:Third session

Tutorial and exercises in three groups:

EES , TRNSYS beginners and TRNSYS advanced.

EES	Introduction to EES (how it works, fluid properties, examples*)
TRNSYS Beginners	Weather data (reading, solar processing, shading calculations, ground temperature calculation)
TRNSYS Advanced	multizone buildings

16h00-17h30: Fourth session

Continuation of tutorial and exercises in three groups

Thursday July 1st - TRNSYS 17

9h00-10h30: Fifth session

Tutorial and exercises in two groups:

TRNSYS beginners and TRNSYS advanced.

TRNSYS Beginners	Introduction to Building and systems Simulation
TRNSYS Advanced	HVAC Systems Simulation

11h00-11h30 :Presentation of a TRNSYS application
Presentations made by the participants (**).

11h30 -12h30: Sixth session
Tutorial and exercises (continued)

Lunch

14h00-14h30 :Presentation of a TRNSYS application
Presentations made by the participants (**)

14h30-15h30: Seventh session

Tutorial and exercises (continued).

16h00-17h30 : Eight session
Tutorial and exercises (continued).

Friday July 2nd – TRNSYS 17

9h00 – 11h00: Ninth session
Tutorial and exercises (continued).

TRNSYS Beginners	Simulation of Solar systems
TRNSYS Advanced	Selection within: • New components; • Connection TRNSYS-Excel; • Parametric runs; • Development of TRNSED applications; • Solar cooling applications • TRNFLOW

11h30-12h30 Presentation of a TRNSYS application :

Thermo chemical storage of solar heat (in conjunction with the Solautark project)

Lunch

14h00-15h00 :Tenth session

Presentation and discussion of results got in previous sessions. Conclusions and perspectives.

(*) Participants are invited to submit specific problems they would like to resolve, preferably in the field of applied thermodynamics, heat and mass transfer, combustion, refrigeration and HVAC.

(**) Participants are also kindly invited to present a typical application they developed with EES or TRNSYS