Venue

TRNSYS Days 2013 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 website (www.bems.ulg.ac.be).

Registration fees

Before August 31st, 2013

Three days .....300 €

One day .....150 €

After August 31st, 2013

Three days .....350 €

One day .....175 €

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

Registration: www.bems.ulg.ac.be

Contacts

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Accommodation

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

Best Western Hotel Arlux
Rue de Lorraine, 54
B-6700 Arlon
Phone : + 32 63 23 22 11
Fax : +32 63 23 22 48
Web site: www.bestwestern.be

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

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

Université de Liège

BEMS

BUILDING ENERGY MONITORING AND SIMULATION (BEMS)

UNIVERSITY OF LIEGE

TRNSYS Days'2013

With training on TRNSYS 17

September 11th to 13th 2013

University of Liège

Arlon Campus (Belgium)

TRNSYS 17

Meeting Organizers

General Coordination:

Professor Philippe ANDRÉ

Training team:

Philippe ANDRÉ, Youness AJAJI , Fabien CLAUDE, Elisabeth DAVIN, Samuel HENNAUT, Imane REHAB, Corinne ROGIEST, Sébastien THOMAS

Preliminary Program

Wednesday September 11th

9h00-10h30: First session

Welcome Coffee

General presentation of TRNSYS

11h00-12h30: Second session

Tutorial and exercises in three groups:

beginners and advanced (Building or HVAC systems).

Beginners	TRNSYS concept, Weather data (reading, solar processing, shading calculations, ground temperature calculation), Exercises
Advanced Building	TRNSYS3D plugin use
Advanced HVAC	HVAC systems - AHU

Lunch

13h30: Visit of our laboratory building "Jacques Geelen"

14h30-17h30: Third and Forth session

Continuation of tutorial and exercises in groups

Thursday September 12th

9h00-10h30: Fifth session

Tutorial and exercises in groups:

Beginners	Introduction to multizone building (orientation, zones, heating & cooling, windows) Demonstration of TRNSYS 3D plug-in
Advanced Building	Multizone building – Active layers, Coldbridges, Comfort, TRNFLOW, Windows customization
Advanced HVAC	HVAC systems - Secondary loops (cold and heat production)

11h00 -12h30: Sixth session

Tutorial and exercises (continued)

Lunch

13h30-14h00: Presentation : "Validation of TRNSYS 17 following the standard NBN EN 15265:2007"

14h00-17h30: Seventh and Eight session

Tutorial and exercises (continued).

Friday September 13th

9h00 – 11h00: Ninth session

Tutorial and exercises (continued).

Beginners	Simulation of Solar systems
Advanced Building + HVAC	Choice of two sessions among six: **9.00 AM** / **11.00 AM** Parametric runs / Optimization with GenOpt TRNSYS-Matlab connection / New component creation Photovoltaic / Wind turbine You have to choose one lesson at 9 AM an the other one at 11 AM.

Lunch

14h00-15h00 : *Tenth session*

Evaluation of the training

Conclusions and perspectives

Closing drink