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## TRNSYS TRAINING COURSES

October, the 24<sup>th</sup> and 25<sup>th</sup> 2006, Barcelona

### Announcement

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**AIGUASOL ENGINEYERIA** is very pleased to announce that the International TRNSYS crew will be offering comprehensive TRNSYS training courses in Barcelona, Spain. Two days are addressed to TRNSYS's users allowing them to go in deep on building simulation and creating TRNSYS projects.

Participants are encouraged to attend the entire two days but are welcome to attend only one according their interest. Discounts will be given for multiple days.

#### **EXTENSIVE DOCUMENTATION**

Training courses attendees will receive comprehensive documentation of the teaching sessions.

#### **COMPUTERS**

Each participant will have access to a computer throughout the course for hands on training. Programs will be installed on all the course computers.

#### **TEACHING STAFF**

Teaching staff is composed by a group of members of the International group of developers and distributors of TRNSYS program, coordinated by **Dr. Jaume Salom, AIGUASOL Enginyeria**.

## PRELIMINARY AGENDA

The courses will be organized with the following structure. Notice that this agenda is provisional and could be slightly adapted according the user's demand.

<b>Tuesday, October, 24<sup>th</sup> 2006</b>	
<b>TRNSYS Projects. Parametric analysis and Optimization</b>	
09:00 – 13:30	<p><b>TRNSYS PROJECTS</b></p> <p>Project creation using the Simulation Studio. Taking advantage of the last improvements. How to prepare projects for advanced analysis.</p> <p><b>PARAMETRIC ANALYSIS</b></p> <p>Parametric analysis using TRNEDIT. Exercises.</p>
13:30 – 15:00	<b>LUNCH</b>
15:00 – 18:00	<p><b>OPTIMIZATION PROJECTS USING TRNOPT</b></p> <p>Use of TRNOPT. Exercises.</p>

<b>Wednesday, October, 25<sup>th</sup> 2006</b>	
<b>THERMAL AND AIRFLOW BUILDING SIMULATION</b>	
09:00 – 13:30	<p><b>BUILDING SIMULATION USING TRNFLOW</b></p> <p>TRNFLOW, the multizone air flow model within TRNSYS Type 56</p> <p>Exercises on building simulations</p>
13:30 – 15:00	<b>LUNCH</b>
15:00 – 18:00	<p><b>COUPLED PROJECTS USING COMIS</b></p> <p>Coupled Building Simulation: thermal and air flow, using COMIS.</p> <p>Exercise using Simulation Studio Wizard.</p>

The language of the Courses is English (no translation facilities will be provided)

## REGISTRATION

Details of the registration fees can be found in the Registration Form.

**Deadline for registration is the September, the 29<sup>th</sup> 2006**

Places are limited. Final registration to the courses will depend on the availability of free places. Minimum registration of 10 persons by course should be accomplished to do the courses.

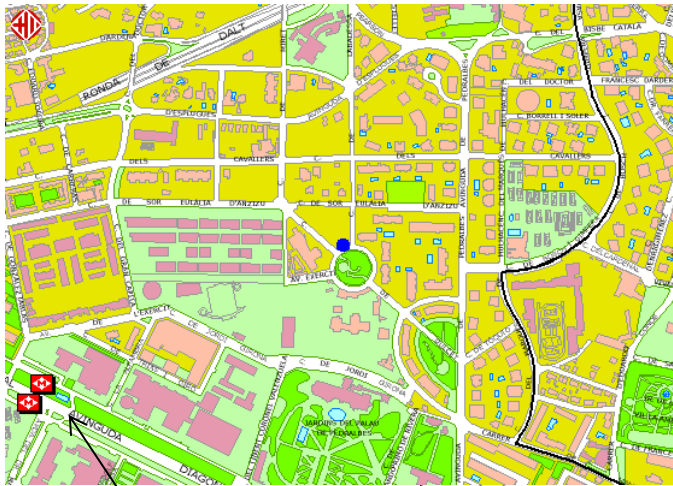
## COURSE VENUE

The **TRNSYS TRAINING COURSE** will take place in Barcelona.

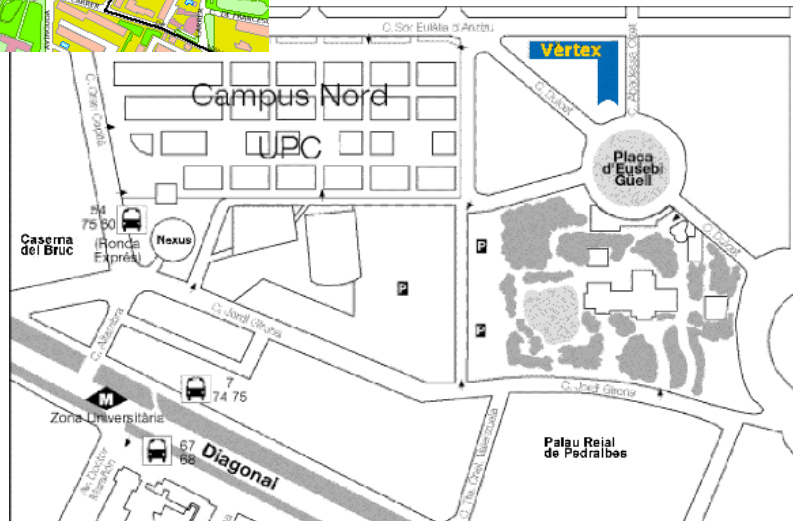
The course will take place in the **Edifici Vertex**, of the **Politechnical University of Catalonia (UPC)**.

The place is well communicated by bus or subway from any place in the city.

In the following maps, you can see the exact location of the building.



Metro: L3  
Stop: Palau Reial



## ACCOMMODATION

The participants are to arrange their own accommodation. You will find all the information at the following web site: <http://www.bcn.es/english/ihome.htm>.