

Applied magnetics and CEDRAT are glad to invite you to the seminar organised in collaboration with the **Laboratory of Electrical Machines** at the **EPFL (Lausanne)**

## Advanced Simulation Methods in Electrical Engineering

As an introduction, **Dr. Kawkabani Basile** will detail the activities of the Laboratory of Electrical Machines (LEM) of the EPFL. The LEM is the only institute in Switzerland which has specialised in the design and monitoring of large electric motors and generators.

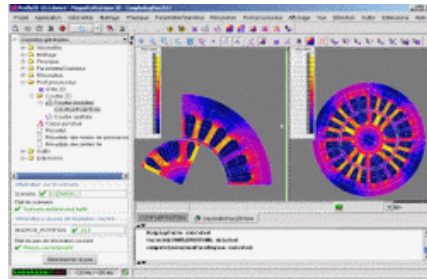
**Dr. Daho Taghezout** (applied magnetics) will pursue with the presentation of the brand **new Flux V10.4 version** and applications to electric machines, transformers, sensors and radiated fields. Also examples involving the co-simulation with Portunus® and Simulink® will be discussed.

The seminar will demonstrate various technical aspects and applications of the **Flux** and **Portunus** software packages. It should provide you with a great opportunity to learn more about **CEDRAT Software Solutions** and their application area.

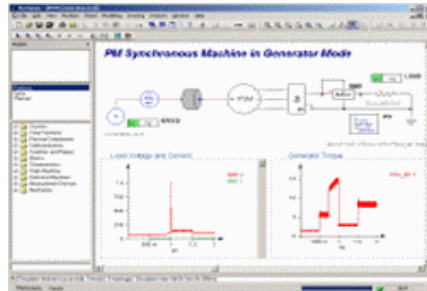
The seminar will be held at the **EPFL Site in Lausanne**, Auditorium **ELA1** on **May 11, 2011, from 13.30 to 16.00**.

### Flux V10.4 Software Presentation Programme

- New 2D environment
- Electric machines overlays
- CAD Import features
- Automatic meshing
- Geometry completion
- Macros creation
- Embedded circuit editor
- New kinematic features for 2D applications
- Free mechanical sets
- Python programming language
- Multicore solving
- Multiphysics
- Mesh error criteria
- Curve import
- 3D curve creation
- Animation
- Co-simulation with Portunus®
- Co-simulation with Simulink®



**Flux**  
Electromagnetic & Thermal FE Analysis



**Portunus**  
Mechatronic System Simulator

Please visit the site [www.epfl.ch](http://www.epfl.ch) in order to find the seminar location and to learn more about the EPFL and the laboratory of electrical machines.

To register, click on the following link: <http://www.cedrat.com/en/news/road-show.html>

Best regards

The Road Show Team