

FLUX Magazine

Key words: Electric Field, Linear actuator, Magnetic Characterization, Power Electronics, Transformer, Wheel Motor,...

EDITORIAL.

Sales Team - Cedrat S.A.

Let's come back !

After short or long summer vacations, we are back to work. For the best as CEDRAT did not stop working during this summer. Many of those works will be presented during the Users Conference in Padova, October 19th and 20th, but we can unveil some of them.

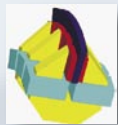
We travelled on the InCa trail in the previous issue of FLUX Magazine... Let us keep the comparison to say that, now, InCa reached its first campsite: version 1 is released and marketed. To test and use without moderation!

As every year, CEDRAT and its worldwide distribution network attends actively many international events. In this issue will be summarised the success met by FLUX Seminar at the University of Sheffield (UK) organised by Motor Design Ltd.

Finally, several users present their work and prove once again the multi-purpose capabilities of FLUX: modelling of linear actuators with FLUX and Simulink by Maccon, modelling of wheel motors by the university of Padova, our host for the users conference...

Wishing you good time reading this FLUX Magazine.

Transverse wheel motor.



How University of Padova models wheel motors with FLUX (pages 8-9).

FLUX to Simulink.



Advanced modelling of linear actuator (pages 10-11).

Materials characterisation.



New magnetic competencies at Cedrat Technologies (pages 13-14).

New trainings catalogue.



2007 trainings catalogue has been published (page 2).

FLUX Seminar in Univ. of Sheffield.

Organised by Motor Design Ltd, this was an excellent opportunity to bring together users (pages 4-5).



LINKS to the following articles

>> Software:

- **FLUX version 9.3.1_2: A new patch for FLUX.**
- **New technical papers for FLUX.**
- **New CEDRAT Group trainings catalogue.**
- **FLUX finite element modelling seminar at Sheffield.**
- **SPEED connection, the triptych for E. M. simulation.**

>> Motor applications:

- **Heating of induction motor rotor...**
- **Performance analysis of transverse flux wheel motor...**

>> Actuator applications:

- **Performance analysis of a linear actuator...**

>> Cedrat Technologies:

- **New: Magnetic characterization of materials.**
- **Seminar announcement.**

>> User conference:

- **Conference and trainings in Italy.**

>> Agenda:

- **Training courses.**
- **Dates to remember.**



15, Ch. de Malacher - Inovallée 38246 MEYLAN Cedex FRANCE
Tel. : +33 (0)4.76.90.50.45 - Fax : +33 (0)4.56.38.08.30
Email: cedrat@cedrat.com - Web: www.cedrat.com
Editing manager : B. Ribard, Managing Director of CEDRAT and CEDRAT TECHNOLOGIES