

# FLUX Magazine

Key words: Current transducer, Generator, Motor-CAD, NDE, Piezo actuator, Radiated fields, Transformer,...

## EDITORIAL.

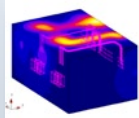
The Commercial Team - CEDRAT.

### "Science without conscience is only soul ruin".

Read on the wall of one of the universities that welcomed us for presentations that gathered many participants, this quote from Rabelais expressed the ambition brought by the software solutions we propose: serve science, academic as well as industrial, without forgetting that people are using those solutions. We will not tell you that everything is possible, that FLUX will serve you coffee, but we prefer to show you that your needs may find their solution through our range of products and services.

And this active process has been again acknowledged by new customers who appreciated the quality of our technical support.

## Radiated fields.



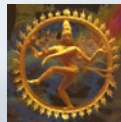
Electrical equipments generate electromagnetic fields... (pages 8-10)

## Current transducers.



Thermal modelling by finite elements... (pages 2-3)

## CIVA<sup>nde</sup> for the N.D.E.



Dedicated to the simulation of Non Destructive Evaluation... (page 10)

## FLUX Users Meeting.



For the first time, our Meeting takes place in Belgium... (page 14)

## Three-phase transformer.



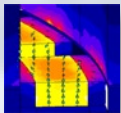
Transformer analysis based on nonlinear B-H curve... (pages 12-13)

## Piezoactive actuators.



For precise and fast "Oval Pistons" manufacturing... (pages 6-7)

## Integrated generator.



Generator integrated in active axial magnetic bearing... (page 11)

## Motor-CAD version 2.1.



Many new features for this 2.1 release... (pages 4-5)

### LINKS to the following articles

#### >> Industrial applications:

- Radiated fields of electrical equipments.
- Current transducers - Thermal modelling by FE.
- Integration of a generator in an axial magnetic bearing.

#### >> Research applications:

- Improved modelling of three Phase transformer...

#### >> Non Destructive Evaluation:

- Non Destructive Evaluation: Knowing to better understand.

#### >> Rotating machines:

- Motor-CAD version 2.1.

#### >> Piezo products:

- Piezoelectric actuator for "oval pistons" manufacturing.
- New 2005 piezo products catalogue.

#### >> Agenda:

- 2005 FLUX Users Meeting in Benelux.
- University tour in France, Free registration.
- FLUX 9 shipments have started.
- Dates to remember...



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