

FLUX Magazine

Key words: Breaker, FLUX, Induction Brazing, Magnetic alloys, Motors & Drive, Piezo, PSCAD, Training, Wind Energy,...

EDITORIAL.

The Commercial Team - CEDRAT.

Best wishes.

The whole team of CEDRAT is happy to wish you a Very Happy New Year 2005. May it bring you joy and prosperity in your individual and professional life.

From our side, this year looks very promising. We will start this year with the shipment of the latest version of FLUX: Version 9. This version brings you the cutting edge technology of finite element simulation, with a new user interface and extended import capabilities.

In this issue, we will present you how our software solutions may be versatile: used in induction heating, automotive or wind power application, CEDRAT's software solutions will help you to spend the best possible year 2005.

FLUX 9.1: A step ahead to serve you.



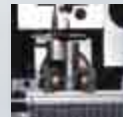
This year's version of FLUX allows the user to enhance again its simulations (pages 10-11)

Wind Energy & Applications.



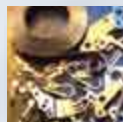
PSCAD and FLUX for the global design of the network and the generator ... (pages 2-5)

Induction brazing.



Induction brazing is becoming more common in industry ... (pages 6-8)

Magnetic alloys.



A great part played by soft magnetic alloys in modern systems ... (page 9)

Cogging torque optimization.



Tuning the magnetic orientation of ferrite segments ... (pages 12-13)

Induction motor drive.



Scalar control with an automatic drive ... (pages 15-17)

Piezo circuit breaker.



This piezo breaker displays a short response time ... (page 18)

LINKS to the following articles

>> Software:

- **FLUX 9.1: A step ahead to serve you...**

>> Wind energy:

- **Doubly fed induction generator... (PSCAD)**
- **Axial Flux Permanent Magnet generator... (FLUX)**

>> Heat treatment:

- **Induction aluminium brazing.**

>> Rotating machines:

- **Induction Motor Drive...**

>> Piezo products:

- **Piezoelectric circuit breaker for fast power cut...**
- **Fast piezo shutter FPS200M.**

>> Magnetic materials & Measurements:

- **Ugimag: Magnetic orientation of ferrite segments...**
- **Imphy alloys...**
- **Laboratorio Elettrofisico magnetizers...**

>> Training:

- **Magnetic & rotating electrical machines training courses.**

>> Agenda:

- **Great success of FLUX Users Meeting 2004.**
- **Dates to remember...**



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