

FLUX Magazine

Key words: ATILA, Cathodic protection, FLUX, Linear actuator, NDT, Piezo-mechatronic, PSCAD, Ship magnetisation,...

EDITORIAL.

Commercial Team - Cedrat.

50 The story of FLUX Magazine reaches now a new stage. This issue 50 celebrates 18 years (the first FLUX Magazine was issued in January 1988) providing you valuable information regarding our software solutions as well as even more valuable user feedback regarding their applications and use of their favourite package.

The spirit of the pioneers keeps flowing in our veins: providing the cutting edge software solutions to model an ever increasing number of cases with an increasing complexity.

One of the best example of the outstanding technology that FLUX provides is the electromagnetic simulation of ships. Pioneering this domain in the early 90's, FLUX is now leading the market and yet keeps providing new models, such as the new "Electrolysis" application to account for more phenomena.

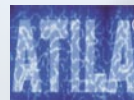
(continued on page 2)

Switching solenoid.



Transient simulation of a switching solenoid for pneumatic valves. (pages 4-5)

New version ATILA 6.



New version with thermal analysis and new preprocessor. (page 14)

CIVA^{nde}: NDT simulations.



Simulation solution of non destructive techniques. (pages 12-13)

Get ready for PSCAD 4.2.



Version 4.2 is now shipped. Get ready. (page 6)

Cedrat Piezo Skiing !



Ski embedded piezo-mechatronic system to damp vibrations. (page 7)

FLUX Center in China.



First university Technical Center at Harbin Institute... (page 2)

FLUX 9 & Navy Applications.

FLUX for ship magnetisation (pages 8-9), corrosion modelling (page 10), DRDC: User experience... (page 11)



LINKS to the following articles

>> Software:

- **Get ready for PSCAD 4.2.**
- **CIVA^{nde}: Simulation software of NDT techniques.**
- **ATILA 6: Thermal analysis and new pre-processor.**
- **Latest news about FLUX...**
- **FLUX Technical Center in China.**

>> Navy applications:

- **Why FLUX is well suited for ship magnetisation.**
- **Corrosion modelling, cathodic protection design...**
- **User Experience: DRDC.**

>> Industrial applications:

- **Transient simulation of a switching solenoid for pneumatic valve.**

>> Piezo applications:

- **Ski embedded piezo-mechatronic system to damp vibrations.**

>> Agenda:

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



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