



mF4LV to be showcased at NIDays

The first application bringing optimization into LabVIEW projects will be presented in Paris on 12th February after the Japanese release

Trieste (Italy), 10th January 2013 – LabVIEW users are now enabled to improve product performances and reduce testing time thanks to the new Hardware-In-the-Loop capabilities offered by [mF4LV](#). ESTECO SpA, a leading technology provider of numerical optimization and modeling solutions, [will be exhibiting](#) at the upcoming **NIDays in Paris** on the 12th February 2013 to showcase the first application bringing the optimization power of modeFRONTIER platform into LabVIEW projects.

Just released in the Japanese market, the innovative integration solution developed by ESTECO for LabVIEW users is a light installation of [modeFRONTIER](#) helping engineers and scientists to quickly reach a desired response from the hardware or system under test. The advanced algorithms within modeFRONTIER, a world-class multidisciplinary environment for engineering design optimization, can in fact easily be exploited for Hardware-In-the-Loop optimization process.

The software modifies automatically the values assigned to the control parameters achieving a desired response from the hardware or system under test. mF4LV delivers better results by perfecting monitoring parameters tuning and significantly reducing calibration time.

mF4LV can be used for a variety of time-saving applications, including

- tuning simulation models with experimental data,
- reducing manual effort and time of tuning control parameters mapping the measurement systems,
- creating and exporting meta-models of experimental data (Neural Networks, RBF, analytical functions, etc.),
- optimizing industrial controllers with HIL Systems or physical hardware
- building and optimizing hybrid real&virtual systems.

Speeding up the effectiveness of the entire testing process, mF4LV provide the user with multiple benefits, encompassing:

- ✓ enhance the stability of solutions despite uncertainties by fitting simulation models with experimental data
- ✓ minimize manual effort by exploiting the synergy between modeFRONTIER and LabVIEW
- ✓ implement a rational decision process between trade-off solutions

For further information come and visit [ESTECO at booth number 6 at NIDays in Paris](#) on 12th February 2013 or visit the website www.esteco.com/mF4LV

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About ESTECO SpA

ESTECO is a technology provider of numerical optimization and modeling solutions specialized in research and development of engineering software solutions for the automation, integration and optimization of all stages of the design simulation process within the product development cycle. Founded in 1999, the company is headquartered in Area Science Park in Trieste (Italy) and currently employs 40 professionals and serves more than 250 international clients including BMW, Daimler, Ferrari, FIAT, Ford Motor Company, Honda, Mazda, Toyota, reaching a revenue of more than 4 million euros in 2011. www.esteco.com

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