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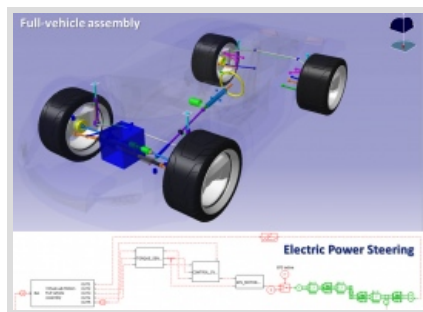
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## Business News

# EUR 19.5 million to research model driven physical systems operation

September 19, 2012 // Julien Happich



With a budget of EUR 19.5 million, the three-year European ITEA2 research project 11004 "MODRIO" – Model Driven Physical Systems Operation seeks solutions to support adoption of model-based systems engineering in the design of mechatronic systems.

The project covers all phases of the development cycle — from early concept design, over detailed system design, to verification and validation — and operational use including diagnostics during the entire system's life cycle.

The project is being implemented in cooperation with leading European companies in the energy and transport industries, including EDF (project coordinator), ABB, Siemens, EADS, Dassault Aviation and SCANIA.

"The MODRIO consortium will extend modeling and simulation tools based on open standards from system design to system operation. At EDF, we are convinced in the power of models, and we appreciate the opportunity to intensify their use for the design and operation of energy systems", comments Daniel Bouskela, MODRIO project coordinator at EDF.

"MODRIO will extend the state-of-the-art in modeling and simulation based on open standards, in order to increase the safety of energy and transportation systems, as well as their dependability and performance during the operational life."

In cooperation with the project's industrial partners, participant LMS will expand its simulation and test solutions for mechatronic system engineering. This targets enhancements in Model Embedded Control, Real-Time simulation based on high-fidelity multi-body dynamics modeling in LMS Virtual.Lab Motion and Hardware-in-the-Loop. LMS will also increase support of modeling standard Modelica and continue innovation in its core product suites: LMS Imagine.Lab, LMS Virtual.Lab and LMS Test.Lab.

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This month, Vision Engineering is giving away two of its recently launched **CamZ digital magnifiers**. Worth £696 each, the instruments are specifically designed to provide portable magnification for easy inspection and documentation.

The CamZ offers up to 14x magnification, stores up to 100 images, and has grids and cursors for X and Y dimensioning. With a 4.3"

diagonal high resolution colour display, simple button operation and image capture/download capability, CamZ is suitable for roving inspection tasks, documenting faults, or for inspecting immobile subjects.

### And the winners are...

In our previous reader offer, Future Electronics was giving away three of its **Audio Streamer Micro-Blox development boards**, worth USD 350 each.

Lucky winners include Mr W. Starzec from Poland, Mr J. Henning from the Netherlands, and Mr F. Renet from France.

All should be receiving their kits soon. Let's wish them some interesting findings with their projects.

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