

LMS International releases feature-packed LMS Virtual.Lab Rev 9

Latest revision re-enforces LMS' market-leading acoustics simulation position

Dec. 3, 2009 - [PRLog](#) -- Leuven, Belgium – LMS, the engineering innovation company, has released the latest version of its integrated solution for 3D functional performance simulation: LMS Virtual.Lab Revision 9. A milestone release, the LMS Virtual.Lab Revision 9 software suite is filled with brand-new performance capabilities and breakthrough technology to ramp up engineering productivity, most notably with new BEM and FEM capabilities and a brand-new ray tracing solution in LMS Virtual.Lab Acoustics. Dedicated industrial application solutions found in LMS Virtual.Lab Motion have been significantly enhanced for improved usability as well, while the new thermal fatigue solution in LMS Virtual.Lab Durability and the MADYMO coupling safety feature in LMS Virtual.Lab Structures are clearly breakthrough solutions in their respective simulation markets.

“We are very excited about LMS Virtual.Lab Revision 9. Of course, it provides major advantages for all types of performance engineering in general, but I really must say, for the acoustics market, we kicked it up a notch. Not only did we massively broaden the suite’s FEM capabilities, but we also enhanced our unique BEM technology. These breakthrough developments show why we’re the acoustic simulation market leader,” stated Stefaan Goossens, Vice-President Simulation at LMS International.

In addition to the extensive work on LMS Virtual.Lab Acoustics, LMS Virtual.Lab Motion has been extended with key industrial applications for driving dynamics, aerospace, wind, powertrain noise & vibration, tracked vehicle and a superior 1D/3D co-simulation methodology for mechatronics system-level simulation.

Especially for thermal applications, LMS Virtual.Lab Durability’s new thermal fatigue feature helps engineers analyze the impact of changing temperatures on fatigue behavior to accurately evaluate fatigue on vital engine parts, exhaust systems and turbo chargers.

For the transportation safety market, the new coupling with MADYMO occupant safety software permits users to easily position MADYMO crash test dummies, and by integrating the MADYMO crash test dummy with the vehicle FE model, users can perform complete occupant safety simulations.

LMS customers with active service contracts are currently receiving their upgrades. LMS users interested in the latest version should contact their local LMS representative or see www.lmsintl.com/virtuallab-rev9 for more information.

Journalists: LMS Virtual.Lab specialists are available for interviews. Please contact editor@lmsintl.com to arrange an interview.

High-resolution pictures for this PR can be found under www.lmsintl.com/pressimages

About LMS International

LMS is an engineering innovation partner for companies in the automotive, aerospace and other advanced manufacturing industries. With approximately 30 years of experience, LMS helps customers get better products to market faster and turn superior process efficiency into key competitive advantages. With a unique combination of 1D and 3D simulation software, testing systems and engineering services, LMS

tunes into mission critical engineering attributes, ranging from system dynamics, structural integrity and sound quality to durability, safety and power consumption. With multi-domain solutions for thermal, fluid dynamics, electrical and mechanical system behavior, LMS can address the complex engineering challenges associated with intelligent system design. Thanks to our technology and dedicated people, LMS has become the partner of choice of more than 5,000 manufacturing companies worldwide. LMS, a Dassault Systèmes SIMULIA partner, is certified to ISO9001:2008 quality standards and operates through a network of subsidiaries and representatives in key locations around the world. For more information on LMS, visit www.lmsintl.com

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