

Digmat is Introduced in the Composites Mechanics Lectures at the University of Liège in Belgium

Supporting the development of tomorrow's engineers

LUXEMBOURG -- (Dec 3, 2014) – [e-Xstream engineering](#), an MSC Software Company, announced the insertion of Digmat, the nonlinear multi-scale material modeling platform in the Composites Mechanics Lectures of [University of Liège](#) in Belgium. Due to the constructive collaboration between University of Liège and e-Xstream engineering, theoretical lectures and hands-on sessions are held about multi-scale material modeling for aerospace engineers.

The theoretical lectures focus on the explanation of the interests and challenges of multi-scale material modeling for industrial applications of composite materials. The most well-known homogenization methods are described with a specific attention on mean-field homogenization used to predict linear and nonlinear material performances. Furthermore, students can discover the influence of the process over the material behavior through the basics of injection process of short fiber reinforced polymers as well as the draping of continuous fiber reinforced composites.

Dr. Geoffrey DELIEGE – Assistant at University of Liège

“Introducing Digmat in the lectures helps keeping their content up to date, giving our engineering students access to advanced homogenization techniques through an industrial software. Digmat is used in hands-out sessions to help students understanding the link between the material microstructure, the material behavior and the structural performance.”

Dr. Laurent ADAM – R&D Director at e-Xstream engineering

“It’s a fruitful experience to teach the students about some of the challenges of material modeling. It gives us the opportunity to raise their interest and encourage them to engage themselves in R&D activities of importance for various industries (aeronautics, automotive, material suppliers, consumers goods, etc.).

About e-Xstream engineering

Founded in 2003, e-Xstream engineering is a software and engineering services company 100% focused on the multi-scale modeling of composite materials and structures. The company helps customers, material suppliers, and material users across many industries reduce the cost and time needed to engineer innovative materials and products using Digmat, the nonlinear multi-scale material and structure-modeling platform. Since September 2012, e-Xstream engineering is a wholly owned subsidiary of MSC Software. The e-Xstream and eXdigmat logos, e-Xstream engineering, eX, eXdigmat and Digmat are trademarks or registered trademarks of MSC Software Belgium SA. All other trademarks belong to their respective owners. e-Xstream engineering is a division of MSC Software Belgium SA.

More info: <http://www.e-Xstream.com>

About University of Liège

Located in the heart of Europe, the University of Liège is an international institution providing 285 Master and Advanced Master programmes. The ULg promotes a multidisciplinary approach, quality education and excellence in research, keeping the teaching-research complementarity at the heart of the university project. Nine Master programmes in civil engineering and bio-engineering have recently been accredited EUR-ACE (European Quality Label for Engineering Degree Programmes) by the CTI-commission. More info: http://www.ulg.ac.be/cms/c_5000/en/home

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