

# Lead Generation Opportunities: Webinars

MECHANICAL  
**ENGINEERING**

Our Webinar series is an online one-hour seminar designed to educate industry professionals from around the world about emerging areas of research, technology applications, “best practices,” and hot topics/issues impacting the engineering community. Sponsors have an opportunity to interact and present their message to a captive audience and capture contact details of registrants online.

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## The Importance of Material Model Calibration for Structural FEA

Thursday, November 14, 2013 - 2:00 p.m. EST

Structural mechanics simulations often use nonlinear material models that need to be calibrated to experimental data. COMSOL supports numerous hyperelastic, linear viscoelastic, and viscoplastic material models.

In this webinar, we will demonstrate how easily these material models can be calibrated and used in FE simulations. We will also cover what type of experimental data is required and illustrate how to select a proper material model in order to get accurate results from the analysis.

The webinar will conclude with a Q&A session.

**LARGE STRAIN PLASTICITY:** A piece is subjected to a uniaxial tensile test resulting in large scale plastic deformation and necking of the central cross section region.

