

9th INTERNATIONAL MODELICA CONFERENCE

September 3-5, 2012
Munich, Germany

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This tutorial session will allow attendees to be introduced to the capabilities of Dymola and the Vehicle Dynamics Library (VDL). Attendees will have the opportunity to walk-through the library. The benefits of Modelica-based tools will be highlighted through guided, hands-on example experiments. These examples will demonstrate how Dymola/VDL can be successfully used at any phase of the vehicle design process with experiments ranging from the vehicle component to the system level.

VDL provides an open and user-extensible environment for full vehicle and subsystem analysis. Designed with a hierarchical structure and an extensive library of predefined vehicle components, configuration of any class of wheeled vehicles is convenient and straight-forward.

VDL provides true multi-body, multi-domain simulation with real-time performance and model export capabilities.

▶ ABOUT THE INSTRUCTORS:

John Griffin has a B.Sc. in mechanical engineering and more than 20 years' experience of vehicle dynamics and multi-body modeling and simulation.

Johan Andreasson has a Ph.D. in vehicle dynamics and more than 10 years' experience of vehicle simulation using Modelica technology.

Requirements:

Licenses for Dymola and VDL will be provided but attendees are expected to provide their own computer that is capable of running Dymola 2013. We recommend that you have:

- Windows XP or later
- 2GB+ of RAM
- Dymola 2013 (Demo) installed
- Visual C++ 2010 or later Professional/Express installed

Time, place and registration:

The tutorial will take place on Monday, September 3rd at the same location as the Modelica Conference.

13.00–14.00 Installation support

14.00–17.45 Tutorial

Sign up for the tutorial when registering to the Modelica Conference, see www.modelica.org/events/modelica2012