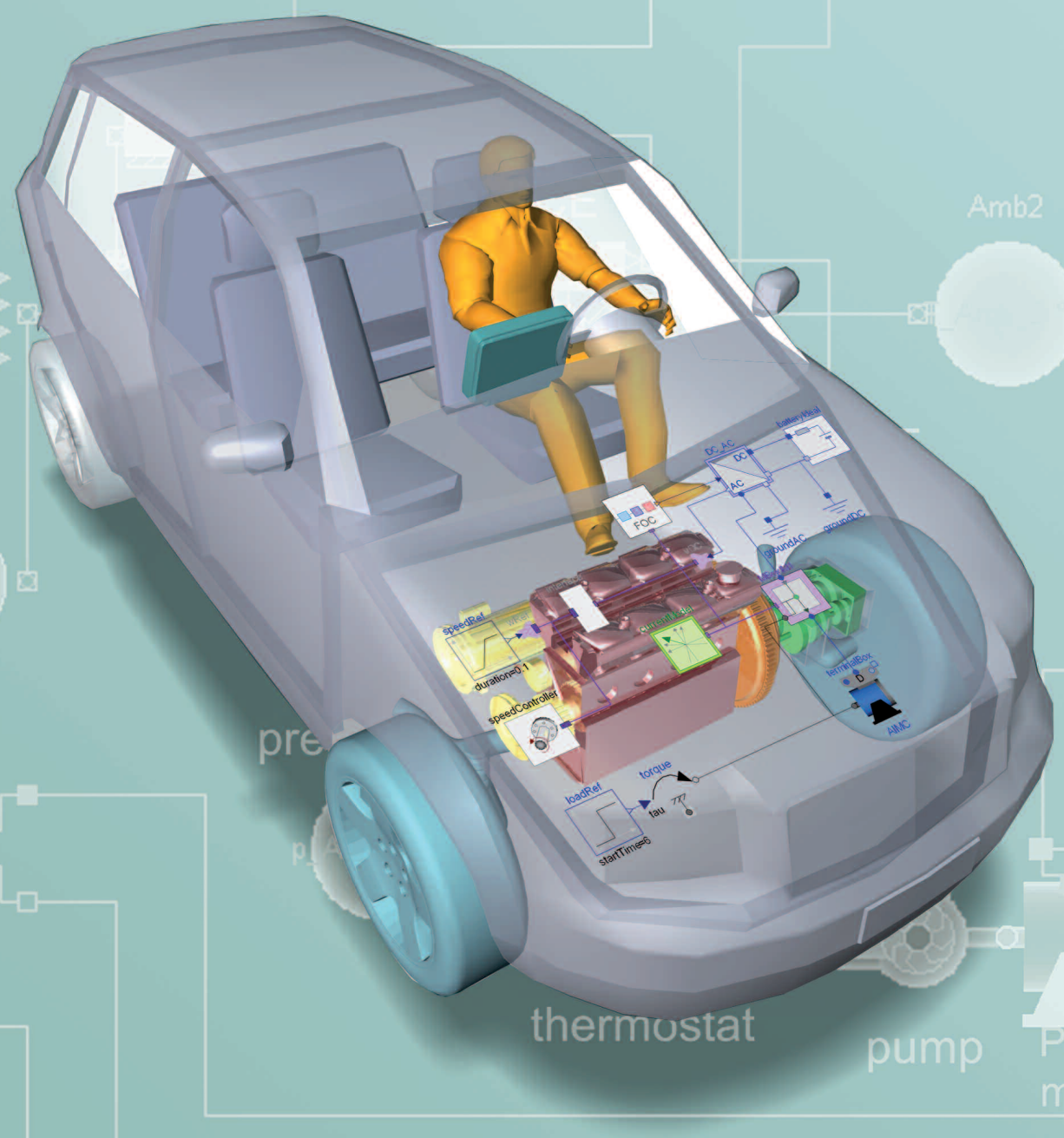
5th International Modelica Conference



September 4-5, 2006
Vienna, Austria

Modelica is a freely available, object-oriented language that allows convenient and efficient modeling and simulation of complex, multi-domain physical systems described by differential, algebraic and discrete equations.
The Modelica language, Modelica libraries and Modelica tools have been utilized in demanding industrial applications, including full vehicle dynamics, powertrains, robotics, air conditioning systems, electrical machines, hardware-in-the-loop simulations and embedded control systems with nonlinear Modelica models.
The conference will include 4 Modelica tutorials, presentations in 4 parallel sessions, a poster session, user's group meetings, Modelica tool vendor presentations and the Modelica Award for the 2 best free Modelica libraries.

MODELICA

arsenal research
An Enterprise of the Austrian Research Centers.

Conference topics

- Multi-engineering modeling and simulation with Modelica
- Free and commercial Modelica libraries (mechanics, electrical, hydraulics, thermal, fluid, media, chemical, building, automotive, aircraft, ...)
- Automotive applications
- Thermodynamic systems applications
- Other industrial applications, such as electric drives, power systems, robotics, aerospace ...
- Hardware-in-the-loop simulation and embedded control systems
- Modelica modeling, simulation and design tools
- Symbolic algorithms for model transformations
- Modelica in other application areas (mathematical programming, databases etc.)
- Modelica for teaching and education

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