OpenModelica Vendor Session
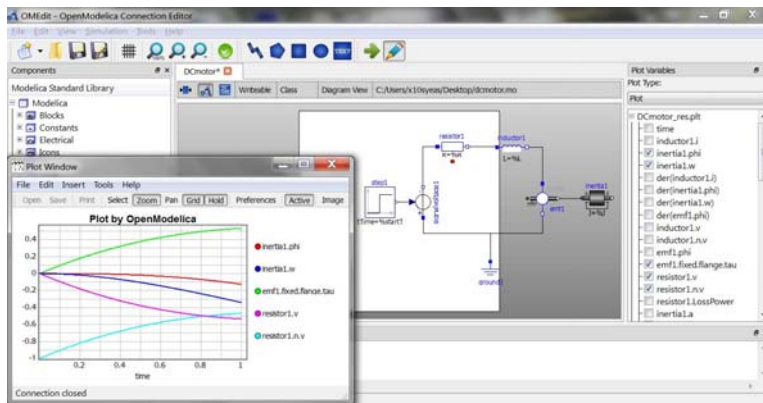
Peter Fritzson   Adrian Pop
Open Source Modelica Consortium, www.openmodelica.org
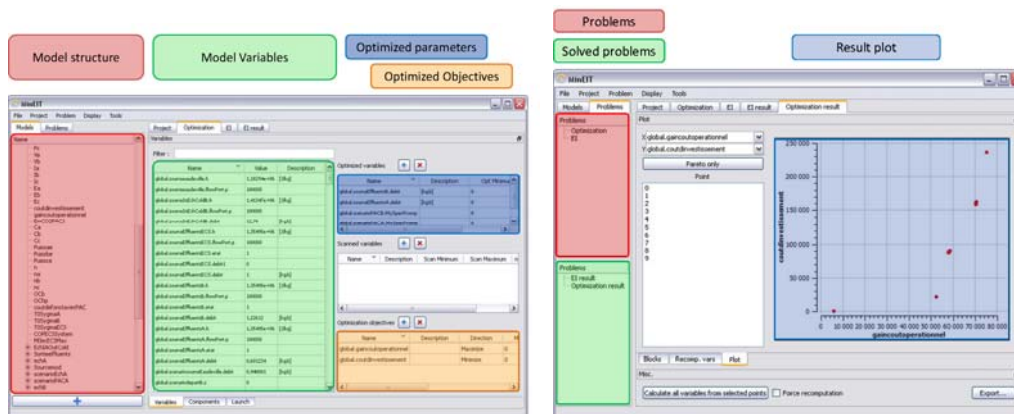{peter.fritzson, adrian.pop}@liu.se

OPENMODELICA IS THE MOST COMPLETE OPEN-SOURCE Modelica-based cyber-physical mathematical modeling, architectural description and simulation environment. It is intended for industrial and academic usage. Its long-term development is supported by a non-profit organization – the Open Source Modelica Consortium (OSMC).

The OpenModelica vendor session presents current status, demos, and roadmap for future development:

- Peter Fritzson. Introduction, current status, and roadmap for OpenModelica.
- Adrian Pop. Status of OpenModelica Support for the Modelica Standard Library.
- Adeel Asghar. Demo. OMEdit graphical model editor.
- Hubert Thierot. Demo. OMOptim subsystem for optimization with OpenModelica.
- Mohsen Torabzadeh-Tari. Demo. DrControl - teaching control with Modelica.
- Martin Sjölund. Demo. The new OpenModelica performance analyzer.

OMEdit with connection editing and plotting

OMOptim. Left: Parameter and objective specification. Right: Obtained pareto optimization curve.