Mini-Workshop on Optimal Control of Thermal Systems in Buildings using Modelica

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University of Applied Sciences

Peter Treffinger

- Professor at University of Applied Sciences Offenburg, Head of Master Study Program *Energy Conversion and Manangement*

- Experience: R&D at German Aerospace Center, Solar Thermal Power Plants to Powertrains of Vehicles

- Teaching: Thermal Systems, Fluid Machinery, Hydro/Wind Power

- Modelica: Lecture on object-oriented-modelling using Modelica

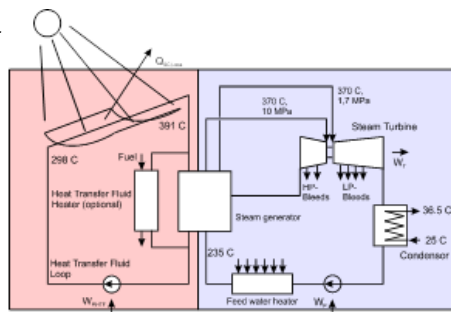- Research: Dynamic Modelling of Energy Systems, compare F. Opitz and S. Gopisetty

Figure 1: Solar Thermal Power Plant

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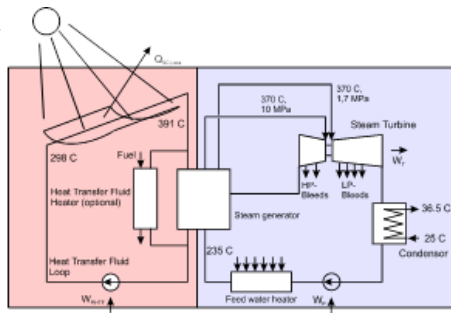- Research: Dynamic Modelling of Energy Systems, compare F. Opitz and S. Gopisetty

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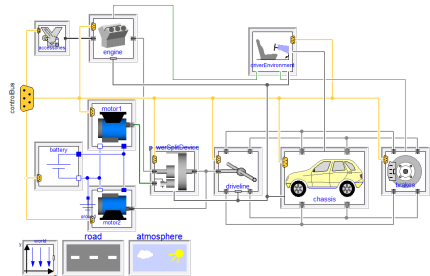- Research: Dynamic Modelling of Energy Systems, compare F. Opitz and S. Gopisetty

Figure 2: Vehicle Interfaces Library

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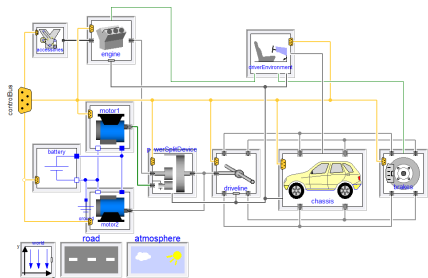- Research: Dynamic Modelling of Energy Systems, compare F. Opitz and S. Gopisetty

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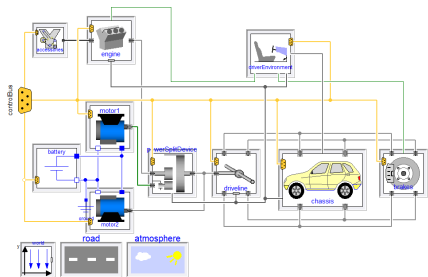- Research: Dynamic Modelling of Energy Systems, compare F. Opitz and S. Gopisetty

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