Topic: Open Modelica Basics

Date: Tuesday 7 June 2022 15:30 – 16:15 and 16:15 – 17:00

Position: Research Scientist

Institution: SINTEF Industry

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Biography and expertise

Dr. Simon Clark is a research scientist at SINTEF Industry focused on model-based design of electrochemical devices. He is an open-source software enthusiast and currently leads the development of the Battery Modelling Toolbox (BattMo) and the Battery Interface Ontology (BattINFO). In the Virtual-FCS project, Dr. Clark is supporting the development and implementation of the OpenModelica library for modelling fuel cell systems.

Presentation:

“Openmodelica is an open-source Modelica-based modelling and simulation environment intended for industrial and academic usage…. The goal with the OpenModelica effort is to create a comprehensive Open Source Modelica modelling, compilation and simulation environment based on free software distributed in binary and source code form for research, teaching and industrial usage.” Source: openmodelica.org

Virtual FCS is a European project with the goal to make the design process of hybrid fuel cell and battery systems easier, cheaper, and quicker.

Goal of the presentation of Open Modelica Basics is to assure that all participants have access to required software and do some first uses of the Open Modelica.