

Online TIL Training

Introduction to Modelica Library TIL

TLK Energy GmbH and TLK-Thermo GmbH offer a two-day online training on the Modelica library TIL. The training is conducted web-conference with a small group of people. There will be two supervisors, so that everyone will receive the support they need. We will have short breaks and time for individual questions and discussions.

TIL is a Modelica-Library for thermodynamic systems and the result of close cooperation between TLK Thermo GmbH and the Institut für Thermodynamik at TU Braunschweig. TIL provides numerous models of thermal and fluid technology components, as well as transport phenomena, and is complemented by the media property library TILMedia. TIL library can be seen as a general modeling concept, that helps model designers and simulation specialists to achieve user-friendly and sustainable model structures. Please find more information about TIL on www.tlk-energy.de.

The training course starts with introducing and testing of existing component and system models, followed by building up complex thermodynamic systems with the component models (e.g. fans, heat exchangers and boundaries) of the library. Finally, the course participants will write their own models for components and transport phenomena to extend and adapt the TIL library to individual requirements.

The TIL Training course addresses simulation and modeling engineers with basic knowledge of the Modelica language. The TIL Training course follows up on the three-day basic Modelica Training course.

The main learning objectives are:

- Modelling and design concepts of TIL
- Transfer of modeling concepts to own libraries
- Advanced Modelica language techniques
- Usage and extension of TIL and TILMedia
- Improvement of problem solving competence

For the course you need a computer or laptop with a reliable internet connection. A microphone, speakers and a webcam are required for communication. It is recommended that you test the functionality of your audio and video in advance.

The course examples and necessary software will be provided in advance. Shortly before the course starts, we will send you an access link to the web conference. We look forward to meeting you.

The cost of the training is € 550 (+ VAT) payable in advance. University students as well as PhD candidates may receive a discount upon request.

TIL Training

Introduction: 11 November 2020, 1:30 pm – 3:00 pm

12 November 2020, 8:30 am – 2:30 pm

13 November 2020, 8:30 am – 11:30 am

Course Fee: € 550 (+ VAT)

We will do our best to meet your specific needs. In the case that you are interested in the training and would like to learn more about the content of the training course, do not hesitate to contact us.

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