

# TIL Training

## Introduction to Modelica Library TIL

TLK Energy GmbH and TLK-Thermo GmbH offer a one-day training on the Modelica library TIL.

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-thermo.de](http://www.tlk-thermo.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 two-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

It is preferred that the course participants bring their own laptop. The course examples, TIL, TILMedia and the visualization tool DaVE are provided for the course.

The cost of the training is € 450 (+ VAT) payable in advance. University students as well as PhD candidates may receive a discount upon request. The training fee includes the course documentation, the above listed software, as well as lunch, drinks and snacks in the breaks.

The next TIL Training will be held on 15 March 2018 in Aachen. There will be a brief introduction in TIL on 14 March 2018 late afternoon from 4:30 to 6:00 pm. Please see the details below.

## TIL Training

**Introduction: 14 March 2018, 4:30 – 6:00 pm**

**Start: 15 March 2018, 8:00 am**

**End: 15 March 2018, 6:00 pm**

**Place:**

**TLK Energy Office Building  
Heinrichsallee 41  
52062 Aachen**

**Course Fee: € 450 (+ 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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