

## TIL Training:

### Introduction to the Modelica library TIL

TLK Thermo GmbH, in cooperation with the Institut für Thermodynamik at the Technische Universität Braunschweig, offers a one-day training course about the Modelica library TIL. There will be an introduction in TIL on the first day between 4:30 and 6:00 pm and it is recommended to arrive on the first day afternoon.

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. Furthermore, TIL can be interpreted as a general, library-modeling concept, which can help model designers and simulation specialists 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 testing existing component and system models, followed by building up complex thermodynamic systems out of existing component models (e.g. fan, heat exchanger and boundaries). Finally, the course participants write their own models for components and transport phenomena to extend and adapt the TIL library to individual requirements.

The training course is directed toward simulation and modeling specialists with basic knowledge of the Modelica language. It can be seen as an advanced training to the 2-day basic Modelica training.

The main learning objectives are:

- Modelling and design concepts of TIL, transfer 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 notebooks. We respond flexibly to your particular needs, and can answer your training course related questions by phone and e-mail, both before and after the training.

#### Contact.

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TIL Training Description

The training takes place in Braunschweig, starting on the first day at 4:30 pm and ending at 6:00 pm and on second day starting at 8:00 am and ending at 5:00 pm. The price of the training is € 550,-. University employees and PhD students can enquire about a reduction. In addition to course documentation and the above mentioned software, lunch, as well as drinks and snacks during breaks are included.

Please do not hesitate to contact us if you require further information about the training course topics.

With best regards,

Sven Försterling

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**Contact.**

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