

**TRACE32®**

# ONLINE-TRAINING for Basic Debugging

The aim of this basic training is to enable you to setup your TRACE32® tools as quickly and easily as possible and to carry out your practical daily work with maximum efficiency. Four self-contained training blocks cover all the important basics you need to perform your debug sessions successfully.

MORE INFORMATION: [trace32-training@lauterbach.com](mailto:trace32-training@lauterbach.com) · [www.lauterbach.com/training/debugging-basics](http://www.lauterbach.com/training/debugging-basics)

## DAY 1

### 09:30 – 11:00 am

- Introduction into Lauterbach Hardware
- License Model
- Configuration File built with TRACE32® Start
- Setup your Debug Session
- Onchip Flash Programming (Flash Handler)
- Introduction into PowerView  
User Interface, Modify Menu- and Tool Bar,  
Command Structure & built-in Help System,  
Registers, Peripheral Registers, Memory Access

### 02:00 – 03:30 pm

- Breakpoints  
Software Breakpoints, Onchip Breakpoints  
(all options)
- SMP Concept  
SMP Debugging, Comparison to AMP

## DAY 2

### 09:30 – 11:00 am

- High Level Language Debugging  
Load the Application Program,  
Symbol Data Base, Display Variables,  
Variable Monitoring, Variable Logging
- Isolated Function Test
- Debugging of Optimized Code
- Sample based Profiling

### 02:00 – 03:30 pm

- Script Language Practice  
Introduction into Practice Language Use,  
Elements, Flow Control, Create and Debug  
a Script, Parameter Passing, Host OS  
Interaction, UI I/O Commands, Event Control,  
Dialog Programming, Designing Robust  
Practice Scripts