

## AGENDA - ONLINE - TRAINING

### Basic Debugging

The former basic 1-day training was divided into 4 blocks and spread over two subsequent days. The individual blocks cover completed topics. Nevertheless we recommend to participate in all blocks since they are based on the previous blocks.

#### 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

#### DAY 1 - (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

#### DAY 2 - (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

**TRAINING LEVEL:** starter and intermediate

**PREREQUISITE:** basic knowledge in embedded systems



## Your technical background knowledge

Please send us this form together with the official order!

**Instructions:** Please indicate your level of knowledge by filling out the following information.

**Attendee:**

Company name: \_\_\_\_\_

Title:  Mr.  Mrs.

First name(s): \_\_\_\_\_ Last name(s): \_\_\_\_\_

E-mail-Adress: \_\_\_\_\_

Which processor/chip do you use? \_\_\_\_\_

Which compiler do you use? \_\_\_\_\_

Which host-OS do you use? \_\_\_\_\_

Which target-OS do you use? \_\_\_\_\_

Are there topics missing in the agenda you are interested in?

\_\_\_\_\_

How would you rate your experience level?

- I have never used any debugger
- I have never used a TRACE32® debugger
- I have basic experience in using a TRACE32® debugger

Before I have already used TRACE32® for a different chip: \_\_\_\_\_

Thank you!