

Title	Days	Price in €	Date
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## Embedded and Real-Time Software Engineering

### Analysis, Design and Architecture

Software Architectures for Embedded and Real-Time Systems	4	2.000	14.01. - 17.01.2019 20.05. - 23.05.2019 25.11. - 28.11.2019
Design Patterns (not only) for Embedded Systems	4.5	2.250	on request
UML Basics and Introduction to Model-Based Software Development	3	1.380	04.03. - 06.03.2019 22.07. - 24.07.2019 13.01. - 15.01.2020
Coaching: Software Analysis, Design and Architecture			on request

### Embedded and Real-Time Programming

Embedded C: Programming Methods and Tools for Embedded Applications	4	1.960	21.01. - 24.01.2019 18.03. - 21.03.2019 20.05. - 23.05.2019 28.10. - 31.10.2019 13.01. - 16.01.2020
Embedded C++: Object-Oriented Programming for Microcontrollers with C++/EC++ and UML	4.5	2.250	14.01. - 18.01.2019 18.03. - 22.03.2019 20.05. - 24.05.2019 02.09. - 06.09.2019 09.03. - 13.03.2020
Embedded C++ Advanced: Object-Oriented Programming for Microcontrollers with C++/EC++	4.5	2.250	on request
Renesas Synergy™: Application Programming	3	1.650	on request
Functional Safety of Electronics and Software: Implementation Compliant with IEC 61508 and ISO 26262	3	1.800	11.02. - 13.02.2019 21.10. - 23.10.2019
Security of Embedded Systems in the Context of Functional Safety	1	650	14.02. - 14.02.2019 24.10. - 24.10.2019
Coaching: Embedded and Real-Time Programming			on request

### Multicore Programming

Embedded Multicore Microcontrollers: Practical Application	3	1.800	18.02. - 20.02.2019 27.05. - 29.05.2019 02.09. - 04.09.2019 25.11. - 27.11.2019 16.12. - 18.12.2019 30.03. - 01.04.2020
Tracing and Multicore Debugging for TriCore/AURIX™ (MCDS) with Lauterbach TRACE32	1	600	on request
Tracing and Multicore Debugging with the PLS Universal Debug Engine UDE	1	550	on request
Coaching: Multicore Microcontroller Selection			on request

### Embedded and Real-time Operating Systems, RTOS

**Trainings**

Title	Days	Price in €	Date
RTOS Basics and Application: RTOS Mechanisms and their Application in Runtime Architectures for Embedded and Real-Time Systems	4	2.200	21.01. - 24.01.2019 25.03. - 28.03.2019 24.06. - 27.06.2019 13.01. - 16.01.2020 30.03. - 02.04.2020
RTOS Application: Development of Runtime Architectures for Embedded and Real-Time Systems	1	600	24.01. - 24.01.2019 28.03. - 28.03.2019 27.06. - 27.06.2019 31.10. - 31.10.2019 16.01. - 16.01.2020
Renesas Synergy™: Application Programming	3	1.650	on request
Coaching: Embedded and Real-Time Operating Systems			on request

★ = Guaranteed to run