



Languages

Course	Duration	Cost	Sessions		
			Dates	Location	Town
oL2 - C Language for Embedded MCUs	24 hours	2360 € HT	28-31/05	Online EurAsia (9h-16h CET)	Online EurAsia
oL3 - Embedded C++ Programming	18 hours	2290 € HT	<i>on request</i>		
oL9 - Parallel programming with OpenCL	24 hours	2400 € HT	<i>on request</i>		
oL10 - Embedded Modern C++ Programming	12 hours	2070 € HT	<i>on request</i>		
oL30 - Classic and Modern C++ for Embedded Systems	30 hours	3070 € HT	<i>on request</i>		

Programmable Logic

Course	Duration	Cost	Sessions		
			Dates	Location	Town
oRV1 - RISC-V Architecture	18 hours	2620 € HT	<i>on request</i>		
oV1 - VHDL Language basics	24 hours	2740 € HT	<i>on request</i>		
oV2 - Advanced VHDL for FPGA	18 hours	2510 € HT	<i>on request</i>		

Embarqué et Temps-Réel

Course	Duration	Cost	Sessions		
			Dates	Location	Town
oRT1 - Linux Real-Time and Multi-Core programming	30 hours	2790 € HT	<i>on request</i>		
oRT3 - Real Time Programming with FreeRTOS	24 hours	2290 € HT	10-13/06	Online EurAsia (9h-16h CET)	Online EurAsia
			25-28/06	Online USA (8am to 3pm Pacific)	Online USA
oRT5 - Zephyr Real Time Programming	30 hours	3070 € HT	06-10/05	Online USA (8am to 3pm Pacific)	Online USA
			10-14/06	Online EurAsia (9h-16h CET)	Online EurAsia
oRT6 - Real Time Programming with Eclipse ThreadX	18 hours	2510 € HT	28-30/05	Online USA (8am to 3pm Pacific)	Online USA
oSTG - STM32 + FreeRTOS + LWIP	30 hours	3070 € HT	<i>on request</i>		

Safety and security

Course	Duration	Cost	Sessions		
			Dates	Location	Town
oSEC1 - Secure C/C++ Development for Embedded Systems	18 hours	2400 € HT	17-19/06	Online EurAsia (9h-16h CET)	Online EurAsia
oSEC2 - Advanced Embedded Systems Security	12 hours	2160 € HT	20-21/06	Online EurAsia (9h-16h CET)	Online EurAsia
oSEC12 - Comprehensive Secure Systems Programming	30 hours	3210 € HT	17-19/06 and 29-30/04	Online EurAsia (9h-16h CET)	Online EurAsia
oSEC3 - wolfSSL for Embedded Security	18 hours	2400 € HT	<i>on request</i>		
oSEC4 - Advanced wolfSSL for Embedded Security	12 hours	2070 € HT	<i>on request</i>		
oSEC34 - Comprehensive Security with WolfSSL	30 hours	2930 € HT	<i>on request</i>		
oSEC5 - Embedded Security for STM32-based devices	12 hours	2260 € HT	<i>on request</i>		
oSEC6 - Embedded Security for NXP i.MX-based processors	12 hours	2260 € HT	<i>on request</i>		
oSEC7 - ARM TrustZone for Cortex-M based devices	6 hours	1890 € HT	<i>on request</i>		
oSEC8 - Secured Embedded Linux Platform Build	12 hours	2260 € HT	<i>on request</i>		

Linux

Course	Duration	Cost	Sessions		
			Dates	Location	Town
oD0 - Linux User Mode Programming	24 hours	2360 € HT	<i>on request</i>		
oD1 - Embedded Linux	12 hours	2070 € HT	<i>on request</i>		
oD1Y - Embedded Linux using Yocto	30 hours	2930 € HT	<i>on request</i>		
oD3 - Linux Drivers	24 hours	2760 € HT	21-24/05	Online EurAsia (9h-16h CET)	Online EurAsia
oY1 - Yocto Project Development	18 hours	2400 € HT	<i>on request</i>		
oY2 - Yocto Project Expert	12 hours	2070 € HT	<i>on request</i>		
oY12 - Comprehensive Yocto Project Usage	30 hours	3210 € HT	<i>on request</i>		

System Workbench

Course	Duration	Cost	Sessions		
			Dates	Location	Town
SW1 - System Workbench for Linux	1 day	750 € HT	on request		

Android

Course	Duration	Cost	Sessions		
			Dates	Location	Town
G1 - Android Installation	3 days	2180 € HT	on request		
G2 - Android Programming	5 days	2790 € HT	on request		
G3 - Android Internals	5 days	3210 € HT	on request		
G5 - Android for Industrial System Control	4 days	2860 € HT	on request		

Linux

Course	Duration	Cost	Sessions		
			Dates	Location	Town
D0 - Linux user mode programming	4 days	2360 € HT	on request		
D1 - Embedded Linux with Buildroot and Yocto	4 days	2490 € HT	on request		
D1S - Embedded Linux with Ac6 System Workbench	3 days	2070 € HT	on request		
D1Y - Embedded Linux with Yocto	5 days	2930 € HT	on request		
D3 - Linux Drivers	4 days	2740 € HT	on request		
D4 - Real-time Linux	4 days	2610 € HT	on request		
D5 - Embedded GUI	3 days	2180 € HT	on request		
D7 - Power Management in Linux Drivers	2 days	2160 € HT	on request		
D8 - USB Linux Drivers	3 days	2400 € HT	on request		
Q1 - Embedded GUIs with Qt	4 days	2370 € HT	on request		
Y1 - Yocto Project Development	3 days	2400 € HT	on request		
Y2 - Yocto Project Expert	2 days	2070 € HT	on request		
Y12 - Comprehensive Yocto Project Usage	5 days	3210 € HT	on request		

RTOS

Course	Duration	Cost	Sessions		
			Dates	Location	Town
IOT1 - Internet of Things (IOT) on Microcontrollers	3 days	2400 € HT	on request		

Methods

Course	Duration	Cost	Sessions		
			Dates	Location	Town
C7 - UML Real-Time	4 days	2490 € HT	22-25/07	Ac6	Courbevoie / Paris
C8 - Critical Systems Safety	3 days	2400 € HT	on request		
C9 - Software Architecture with UML	4 days	2740 € HT	on request		
E1 - Eclipse	3 days	1750 € HT	on request		

Languages

Course	Duration	Cost	Sessions		
			Dates	Location	Town
L2 - C language for Embedded MCUs	4 days	2360 € HT	on request		
L3 - Embedded C++	3 days	2290 € HT	on request		
L4 - Industrial Java	4 days	2610 € HT	on request		
L4G - Java for Android	2 days	1970 € HT	on request		
L5 - Java Temps Réel	3 days	2290 € HT	on request		
L8 - Python	4 days	2740 € HT	on request		
L9 - OpenCL	3 days	2400 € HT	on request		
L10 - Embedded Modern C++ Programming	2 days	2070 € HT	on request		
L30 - Classic and Modern C++ for Embedded Systems	5 days	3070 € HT	on request		

Safety and security

Course	Duration	Cost	Sessions		
			Dates	Location	Town

SEC1 - Developing C/C++ Secure Embedded Systems	18 hours	2400 € HT	on request
SEC2 - Advanced Embedded Systems Security	12 hours	2160 € HT	on request
SEC12 - Comprehensive Secure Systems Programming	30 hours	3210 € HT	on request
SEC3 - wolfSSL for Embedded Security	18 hours	2400 € HT	on request
SEC4 - Advanced wolfSSL for Embedded Security	2 days	2070 € HT	on request
SEC34 - Comprehensive Security with WolfSSL	5 days	2930 € HT	on request
SEC5 - Embedded Security for STM32-based devices	2 days	2260 € HT	on request
SEC6 - Embedded Security for NXP i.MX-based processors	2 days	2260 € HT	on request
SEC7 - ARM TrustZone for Cortex-M based devices	1 day	1890 € HT	on request
SEC8 - Secured Embedded Linux Platform Build	2 days	2260 € HT	on request

Real-Time

Course	Duration	Cost	Sessions		
			Dates	Location	Town
MC4 - Multi-Core Programming with OSEK/VDX and AutoSAR	3 days	2290 € HT	on request		
RT1 - Real Time and Multi-Core programming	5 days	2790 € HT	on request		
RT3 - FreeRTOS Real Time Programming	3 days	2180 € HT	on request		
RT5 - Zephyr Real Time Programming	5 days	3070 € HT	on request		
RT6 - Real Time Programming with Eclipse ThreadX	3 days	2510 € HT	on request		

Internet

Course	Duration	Cost	Sessions		
			Dates	Location	Town
STS1 - LwIP Implementation	2 days	1970 € HT	on request		

Programmable Logic

Course	Duration	Cost	Sessions		
			Dates	Location	Town
ALT1 - CYCLONE-V CORTEX-A9 HARD PROCESSOR SYSTEM	5 days	2790 € HT	on request		
H1 - Lattice Mico32 FPGA embedded processor	3 days	2180 € HT	on request		
H2 - Lattice Diamond	2 days	1880 € HT	on request		
HX4 - AMD (Xilinx) - Microblaze implementation	2 days	1970 € HT	on request		
HX5 - AMD Zynq All Programmable SoC: Hardware and Software Design	2 days	2160 € HT	on request		
MSP - Microchip SmartFusion2 Programming	3 days	2400 € HT	on request		
RV1 - RISC-V Architecture	3 days	2620 € HT	on request		
V0 - Programmable components fundamentals	2 days	2070 € HT	on request		
V1 - VHDL Language Basics	4 days	2740 € HT	on request		
V2 - Advanced VHDL for FPGA	3 days	2510 € HT	on request		
V3 - Design with SystemC	4 days	2490 € HT	on request		

ARM Cores

Course	Duration	Cost	Sessions		
			Dates	Location	Town
AAA - ARM Cortex-A and R Architecture	4 days	2490 € HT	on request		
AAM - ARM Cortex-M Architecture	4 days	2490 € HT	on request		
RA0 - Cortex-A5 implementation	4 days	2370 € HT	on request		
RA1 - Cortex-A8 implementation	3 days	2080 € HT	on request		
RA2 - Cortex-A9 implementation	4 days	2370 € HT	on request		
RA3 - Cortex-A15 implementation	4 days	2370 € HT	on request		
RA4 - Cortex-A7 implementation	4 days	2370 € HT	on request		
RA5 - Cortex-A17 implementation	4 days	2490 € HT	on request		
RA6 - CORTEX-A57 implementation, ARM Architecture V8	4 days	2610 € HT	on request		
RA7 - CORTEX-A53 implementation, ARM Architecture V8	4 days	2610 € HT	on request		
RA8 - CORTEX-A72 implementation, ARM Architecture V8	4 days	2730 € HT	on request		
RA9 - CORTEX-A73 implementation, ARM Architecture V8	4 days	2730 € HT	on request		
RC1 - NEON-v7 programming	2 days	1880 € HT	on request		
RC2 - NEON-v8 programming	2 days	1970 € HT	on request		
RI0 - AXI3 / AXI4 INTERCONNECT	2 days	1970 € HT	on request		
RM0 - Cortex-M0 / Cortex-M0+ implementation	2 days	1880 € HT	on request		
RM1 - Cortex-M1 implementation	3 days	2180 € HT	on request		
RM2 - Cortex-M3 implementation	4 days	2490 € HT	on request		

RM3 - Cortex-M4 / Cortex-M4F implementation	4 days	2610 € HT	<i>on request</i>
RM4 - Cortex-M7 implementation	4 days	2740 € HT	<i>on request</i>
RM5 - Cortex-M33 Implementation	4 days	2860 € HT	<i>on request</i>
RR0 - Cortex-R4 implementation	3 days	2180 € HT	<i>on request</i>
RR1 - Cortex-R5 implementation	3 days	2290 € HT	<i>on request</i>
RR2 - Cortex-R7 implementation	3 days	2400 € HT	<i>on request</i>

NXP ARM SoCs

Course	Duration	Cost	Sessions		
			Dates	Location	Town
FA4 - i.MX6 Implementation	5 days	2790 € HT	<i>on request</i>		
FA5 - i.MX8m Implementation	5 days	2930 € HT	<i>on request</i>		
FA6 - i.MX8 Max Implementation	5 days	3210 € HT	<i>on request</i>		
FK1 - Kinetis MCU Implementation	5 days	2790 € HT	<i>on request</i>		
FK2 - Kinetis KL26z MCU Implementation	4 days	2490 € HT	<i>on request</i>		
FQ1 - LS1021A QorIQ implementation	5 days	2930 € HT	<i>on request</i>		
NP1 - LPC21XX/LPC22XX microcontroller implementation	4 days	2370 € HT	<i>on request</i>		
NP2 - LPC17xx microcontroller implementation	4 days	2370 € HT	<i>on request</i>		

ST processors

Course	Duration	Cost	Sessions		
			Dates	Location	Town
STG - STM32 + FreeRTOS + LwIP	5 days	3070 € HT	<i>on request</i>		
STR4 - STM32 F0-Series implementation	4 days	2740 € HT	<i>on request</i>		
STR5 - STM32 F1-Series implementation	5 days	3070 € HT	<i>on request</i>		
STR6 - STM32 F2-Series implementation	4 days	2740 € HT	<i>on request</i>		
STR7 - STM32 F4-Series implementation	4 days	2610 € HT	<i>on request</i>		
STR8 - STM32MP15 Implementation	5 days	3070 € HT	<i>on request</i>		
STR9 - STM32 Peripherals	5 days	3070 € HT	<i>on request</i>		

TI processors

Course	Duration	Cost	Sessions		
			Dates	Location	Town
TI3 - Cortex M4 Texas Instruments Implementation and TI-RTOS	4 days	2740 € HT	<i>on request</i>		
TK1 - KEYSTONE II IMPLEMENTATION	4 days	2490 € HT	<i>on request</i>		

NXP Power CPUs

Course	Duration	Cost	Sessions		
			Dates	Location	Town
FCC1 - e500mc implementation	3 days	1650 € HT	<i>on request</i>		
FCC2 - e5500 implementation	3 days	2290 € HT	<i>on request</i>		
FCC4 - e6500 implementation	3 days	2290 € HT	<i>on request</i>		
FCQ1 - P101X QorIQ implementation	5 days	2930 € HT	<i>on request</i>		
FCQ2 - P2020 QorIQ implementation	5 days	2930 € HT	<i>on request</i>		
FCQ3 - P204X QorIQ implementation	6 days	3250 € HT	<i>on request</i>		
FCQ4 - P3041 QorIQ implementation	6 days	3250 € HT	<i>on request</i>		
FCQ5 - P4080 QorIQ implementation	6 days	3250 € HT	<i>on request</i>		
FCQ6 - P5020 QorIQ implementation	6 days	3250 € HT	<i>on request</i>		
FCQ7 - T4240 QorIQ implementation	6 days	3250 € HT	<i>on request</i>		
FCQ8 - T1024 QorIQ implementation	5 days	2930 € HT	<i>on request</i>		
FCQ9 - T2081 QorIQ implementation	5 days	2930 € HT	<i>on request</i>		
FCQ10 - T1040 QorIQ implementation	7 days	3560 € HT	<i>on request</i>		
FCQ11 - P102X QorIQ implementation	6 days	3250 € HT	<i>on request</i>		

Connectivity

Course	Duration	Cost	Sessions		
			Dates	Location	Town
I0 - New digital buses	1 day	1500 € HT	<i>on request</i>		
IA1 - CAN bus	2 days	1970 € HT	<i>on request</i>		
IA3 - MIL-STD 1553B	2 days	1880 € HT	<i>on request</i>		

IC1 - PCI 3.0	3 days	2130 € HT	<i>on request</i>
IC4 - PCI Express 3.0	4 days	2490 € HT	<i>on request</i>
IM1 - HDMI 1.4a	2 days	2070 € HT	<i>on request</i>
IP1 - FireWire	4 days	2740 € HT	<i>on request</i>
IP2 - USB 2.0	4 days	2490 € HT	<i>on request</i>
IP3 - USB 3.0	4 days	2740 € HT	<i>on request</i>

Network

Course	Duration	Cost	Sessions		
			Dates	Location	Town
N1 - Ethernet and switching	4 days	2490 € HT	<i>on request</i>		
N2 - IEEE1588 - Precise Time Protocol	1 day	1730 € HT	<i>on request</i>		
N3 - Ethernet 10 Gigabit	3 days	2400 € HT	<i>on request</i>		

Storage

Course	Duration	Cost	Sessions		
			Dates	Location	Town
IS2 - eMMC 5.0	2 days	1400 € HT	<i>on request</i>		
IS3 - Serial ATA III	2 days	1880 € HT	<i>on request</i>		
IS4 - Universal Flash Storage (UFS 2.0)	3 days	2180 € HT	<i>on request</i>		
IS5 - SD UHS II (Ultra High Speed II)	2 days	1970 € HT	<i>on request</i>		