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Embedded and Real-Time Programming Languages

ac6-formationprovides trainings on the various languages used in embedded systems. We propose courses on C, C++, Java and Python. Our coursse are tailored to the use of these languages in the embedded world context, with exercises targeting these environments.

STG STM32 + FreeRTOS + LwIP 5 days **Inquiry** L2 C language for Embedded MCUs 4 days **Inquiry** L3 Embedded C++ 3 days **Inquiry** L4 Industrial Java 4 days **Inquiry** L4G Java for Android 4 days **Inquiry** L5 Real-time Java 3 days **Inquiry** L6 Python 3 days **Inquiry** L7 OpenCL 3 days **Inquiry** L8 C++ for Embedded Systems 3 days **Inquiry** L9 Embedded Modern C++ 3 days **Inquiry** L10 Embedded Modern C++ Programming 3 days **Inquiry** L11 Embedded Modern C++ Programming course and cross-platform C++ for Embedded Systems 3 days **Inquiry** E1 Pulse 3 days **Inquiry** R1 Real-Time and Multicore Programming Real-time and embedded code especially targeting multicore processors cannot be effectively tested, it must be validated before coding. This training helps you master multitasking and real-time programming on multi-core processors, understanding how to effectively solve problems using the primitives provided by the underlying Operating System. 3 days **Inquiry** V1 VHDL Language Basics 4 days **Inquiry** V2 Advanced VHDL for FPGA 3 days **Inquiry** V3 Design with SystemC 4 days **Inquiry**

The Google Android system is becoming more prominent in the world of mobile devices and can be found both in the general public domain and in the industrial world. Programming Android applications requires a thorough knowledge of some advanced aspects of the Java language. This course covers these aspects without addressing the points that are used on Android or covered in the Android courses. Knowledge of issues it addresses is a prerequisite for writing Android applications or to work on the source code of the Android platform.

Learn to program in a more or less hardware-independent way complex parallel algorithms that will be able to run on various hardware platforms. This course is the combination of the L3 - Embedded C++ course and L10 - Embedded Modern C++ Programming course. It is intended for engineers that switch from C programming to C++ and want to learn everything about classic and modern C++ programming for embedded systems. 3 days **Inquiry**

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