



## PROGRAM OF EXCELLENCE

# Key Technologies in Computer Science and Industry 4.0

## Platform Independent UX with Qt

Stefan Larndorfer

**When:** Thursday, February 13, 2020, 9:00 to 12:40

**Where:** Festsaal at the HTL Leonding, Limesstr. 12 - 14,  
4060 Leonding

What do the Mercedes Benz and Tesla's infotainment system, the VLC media player and VirtualBox on Windows and Linux, Sailfish OS and the T-Mobile app on iOS and Android have in common? They are all written with the same framework and use code that can be natively compiled and executed on all platforms!

In the talk we will outline the basic principles of the framework "Qt" (read: "kjut") which supports this kind of platform independent development and deal with current trends and developments. We will share basic concepts of C++ and QML in a live coding session and compile simple Qt programs with C++ and QML under Windows and Linux as well as for a Raspberry PI. The lecture will be a mixture of an introduction with slides and live coding sessions with the QtCreator development tool.

**Stefan Larndorfer** is the CEO of sequality software engineering and manages various projects in the areas of automotive, industry automation and medical engineering. Together with his team he develops software solutions based on embedded linux. He is also a lecturer for C++ Qt at the Upper Austrian University of Applied Sciences in Hagenberg and supports open source development, as well as different research projects.

*Key Technologies in Computer Science and Industry 4.0* is a series of talks and workshops at the HTL Leonding dealing with trending topics in this area. We invite speakers and lecturers from the forefront of key technologies to provide first insights into their field.