ARM Cortex-A Overview

Summary:
The Cortex-A range of processor cores is aimed at high-performance embedded applications which require virtual memory capability e.g. in order to support a platform OS such as Linux or Android. This short course aims to explain the differences between the products in the range and to act as an aid in product selection. It also covers the concepts involved in developing a big.LITTLE system.

Prerequisites:
- Working knowledge of real-time embedded product design and development.

Audience:
Senior engineers, product specialists, development engineers and product designers seeking to get an overview of the range of offerings in the Cortex-A product range.

Length:
4 hours

Modules:
- The ARMv7-A Architecture
- Cortex-A Product Range Overview
- The big.LITTLE Architecture
- Cortex-A8
- Cortex-A5 and Cortex-A9
- Cortex-A7, Cortex-A15 and Cortex-A17
- Cortex-A53 and Cortex-A57