

One Day Seminar on Arm Embedded Dev Tools & IoT Solutions

ARM EMBEDDED DEV TOOLS & IOT SOLUTIONS

FTD Solutions, Arm and MYIR Tech are organizing a **one-day free seminar** on enabling engineers to develop robust and highly optimized embedded software.

Date: 13 March 2018, Tuesday

Time: 8:30AM to 4:00PM.

Venue: Lifelong Learning Institute, 11 Eunos Road 8, Singapore 408601

[Click to Register](#)



Event Outline: Arm Development Tools

Across a number of microcontroller applications, Arm is seeing an increased need for more performance, either due to increased algorithm complexity, integration of multiple, discrete MCU systems into a single entity, or the inclusion of wireless/wired connectivity.

Arm supports software development from the smallest Cortex-M series microcontroller all the way up to many-core SoCs. Getting the software right makes all the difference to how an end-user perceives a device, so build applications, operating systems and drivers that work together efficiently with the hardware. In this seminar, FTD Solutions will present and demo how this can be set up and run with minimal hassle with the help of middleware.

Event Outline: For Keil MDK and IoT

The Keil MDK Microcontroller Development Kit is the most comprehensive software development solution for Arm-based microcontrollers and includes all components that you need to create, build, and debug embedded applications. With two Arm C/C++ Compilers with assembler, linker, and highly optimized run-time libraries tailored for optimum code size and performance with the help of Software Packs that may be added any time to MDK-Core making new device support and middleware updates independent from the toolchain.

ARM has collaborated with its technological partners and developed an open source project named mbed. mbed is a platform and an OS created to run on smart devices and as Things of Internet, based on 32bit Cortex-M MCU. As it's released under open source licence, most of the contributions and support done by mbed developer community. Keil MDK Pro middleware includes mbed components that can help you to connect your device securely to the cloud via mbed TLS and mbed client.

Event Outline: For MYIR Tech

MYIR Tech Limited is a global provider of Arm hardware and software tools, design solutions for embedded applications. We are [Arm Connected Community Member](#) and work closely with many semiconductor vendors. Our product line spans a wide range of board level products including dev boards, SBC and CPU modules that help customers to evaluate, prototype, system integration or creating their own applications. MYIR also offers custom design solutions with expertise covering many Arm processors and operating systems, to support customers with a wide range of services that speed up their time to market.

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Seminar Agenda		
8:30 am – 9:30 am	Registration	
9:30 am – 9:45 am	Introduction about FTD Solutions	Satish, FTD
9:45 am – 10:00 am	Arm Architecture Roadmap	Terry Yeo, Arm
10:00 am – 10:45 am	MDK and DS-5 Introduction <ul style="list-style-type: none"> ▪ Comparison of both tools ▪ Middleware in MDK-Pro 	Somu, FTD
10:45 am – 11:00 am Tea Break		
11:00am – 12:00pm	Extending IoT and Safety Critical Application <ul style="list-style-type: none"> ▪ CMSIS Introduction and Value ▪ Functional Safety Package 	Terry Yeo, Arm
12:00pm – 1:00pm Lunch Break		
1:00 pm – 1:45 pm	Arm IoT Solutions and Services Introduction	Suzie Nien/Jerry Wang, Arm
1:45 pm – 2:30 pm	MYiR Tech Product Roadmap & Integrating MDK with MYiR Tech Development Board	Somu, FTD
2:30 pm – 2:45 am Demo Break		
2:45pm – 3:30pm	MDK Demo – GUI with MDK using CMSIS	Ronan Synnott, Arm
3:30pm – 3:45pm	Q&A	
3:45pm Lucky Draw – Apple iPad (namecard will be used for draw) 		

Organized by:



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Location: Lifelong Learning Institute, 11 Eunos Road 8, Singapore 408601

Directions to Lifelong Learning Institute

By MRT

Lifelong Learning Institute (LLI) is a 3 minutes walk from Paya Lebar MRT, accessible via the East-West Line (EW8) and Circle Line (CC9).

Circle Line (CC9), **Exit B**

Upon exiting, walk straight and you will see LLI on your right after passing Paya Lebar Square.

East-West Line (EW8), **Exit A**

Upon exiting, turn left and walk straight until you reach Paya Lebar Road.

Then, turn right, walk straight and you will see LLI on your right, after passing Paya Lebar Square.

By Car

From **PIE**, exit Paya Lebar Road, left turn after Cisco Building towards Eunos Ave 5/Eunos Road 8. Turn right into Lifelong Learning Institute (LLI) carpark.

From **Sims Avenue**, turn left onto Paya Lebar Road, past Shell station on the right, make a U-turn at the traffic junction. After, turn left after Cisco Building towards Eunos Ave 5. Turn right into Lifelong Learning Institute (LLI) carpark.

From **Guillemard Road**, drive straight to Paya Lebar Road, straight down past Shell station on the right, make a U-turn at the traffic junction. After that, left turn after Cisco Building towards Eunos Ave 5. Turn right into Lifelong Learning Institute (LLI) carpark.

