

# TUTORIAL: USING AN RTOS ON AN ARM CORTEX-M0+ MCU

Want to learn how to create multi-threaded C applications with a modern, fast and low-cost ARM microcontroller?

## TOPICS

- Using FreeRTOS ([www.freertos.org](http://www.freertos.org))
- Thread management and communication
- Scheduling to meet real-time requirements
- Real-time for control systems
- FreeRTOS trace support

## RECOMMENDED BACKGROUND

- Operating system basics
- C programming
- Microcontroller concepts

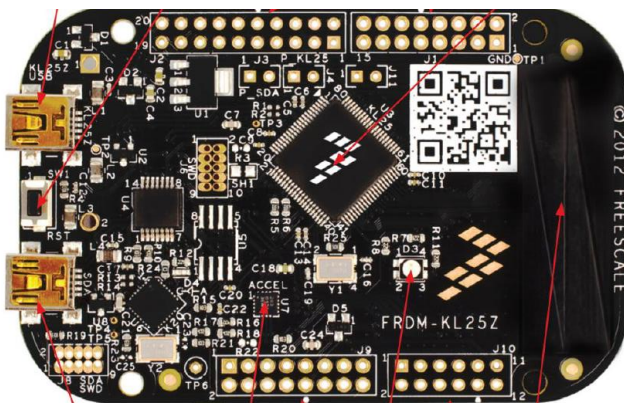
## INSTRUCTOR

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## ORGANIZER

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## NXP FREEDOM-KL25Z PLATFORM



- 48 MHz ARM Cortex-M0+ 32 bit CPU core
- 128 KB flash ROM, 16 KB SRAM
- 3 axis accelerometer
- RGB LED
- Capacitive touch slider
- Arduino R3-compatible footprint
- Ultra-low power consumption
- Free to attendees (quantities limited, so register ASAP)
- Free software development tools

## WHEN & WHERE

Determined based on **your** availability from Tues. March 29 through Sat. April 2, 2016

## PREPARATION

- Register and indicate preferred times at <http://goo.gl/forms/fyzo9kBMXQ>
- Download and install toolchain (MDK-ARM Lite for Cortex-M) on your PC from <http://www.keil.com/arm/mdk.asp>

