

# IEEE SE Michigan Computer Society: Micro-Controller Debug Training Workshop

## **Embedded Controllers Debug Workshop**

The demand for embedded systems continues to grow and there is a need for well trained SW engineers to create & deliver well tested/debugged solutions.

In this hands on workshop we will train 15 people to do root cause analysis via hands on training. This will immensely boost their capabilities to approach problems in a structured manner and fill the local SE Michigan need for talent. We will be using Infineon Technologies AURIX Micro-controller platform for all exercises, as it is a popular platform for many industries.

### **Pre-Requisites to Attend:**

- ✓ Some experience with C programming
- ✓ Basic Micro-controller Knowledge
- ✓ Some basic debugging skills

### **Required Hardware:**

- ✓ Your own Windows 10 laptop
- ✓ Admin rights on your laptop
- ✓ Attendees must pre-download necessary software upon registration

**Speakers:** Chris Wunderlich, Atilla Bulmus and Lance Gurka from Infineon Technologies AG

### **Background:**

Infineon provides semiconductor products for use in powertrains (engine and transmission control), comfort electronics (e.g., steering, shock absorbers, air conditioning) as well as in safety systems (ABS, airbags, ESP). The product portfolio includes microcontrollers, power semiconductors and sensors. In fiscal year 2018 (ending September), sales amounted to US \$3.6 billion.

## **Details**

- **Date:** March 30<sup>th</sup>, 2019
- **Time:** 8:30 AM to 4:55 PM
- **Material:**  
Lecture+Class  
Notes+Hands On  
Exercises
- **Energy Sources:** Free Coffee, Tea, breakfast, Soda Pop, cold water, complimentary lunch & snacks to maximize information absorption bandwidth
- **Audience:** IEEE members (all), open seating only if slots available
- **How Many:**  
15  
[Limited Seating Capacity]
- **Where:**  
Room 214,  
Elliot Hall  
Oakland University  
Rochester, MI 48309
- **Parking:**  
115 Library Drive

**Pre-Registration Required!**

**Use vtools at**

<https://events.vtools.ieee.org/m/194881>

*Refundable fee (\$5) is required to guarantee reservation spot. CEU certificate will be granted to those who complete the full course*

