

IEEE SE Michigan Computer & Education Section
Presents
"Automotive Cybersecurity Challenges and Methods"



IEEE Southeastern Michigan Section Computer Society and Education Society are happy to announce, a technical talk on Automotive Cybersecurity.

Software practical solutions for automotive Cyber-Security challenges are various, addressing one challenge may affect multiple areas in an ECU SW architecture. In this talk, we will go through the common existing Cyber-Security challenges in the automotive connected ECU system inside a vehicle then will give a brief about existing software solutions including AUTOSAR security stack. After that there will be an introduction to the authentication & cryptographic mechanisms used inside an automotive ECU. At the end we will go through some applications of handling a certain security challenge.

Speaker Bio: Mahmoud Abdelaal joined Valeo in April 2015 working as a software architect. Before that, Mahmoud was engaged in the automotive industry field as a senior SW developer @ Mentor Graphics. Mahmoud did his Masters in 2012 in the field of application specific instruction-set processors and has 3 publications in this field.

At Glance

- **When:**
Date: October 13th, 2020
Time: 6:00 – 7:30 PM
- **Where:**
Online via Webex (to be shared only after you have a confirmed registration)
- **Audience:** All eligible members and potential members (only if slots available)

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Pre-Registration Required!

<https://events.vtools.ieee.org/m/241098>

