



March 2024 - Durham Engineers Club Meeting

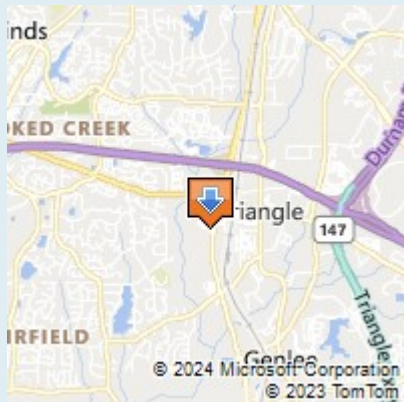
When

March 21, 2024

[Add to Calendar](#)

Where **new location** -
Golden Corral Buffet &
Grill

5006 Apex Hwy #55, Durham,
North Carolina 27713



[Driving Directions](#)

Upcoming Meetings:

Annual Dues are due! You can pay online when you register for a meeting, or bring cash or check to the event.

April 18 -

Assessing and Addressing Litter in Durham Waterways; Michelle Nowlin and Nancy Lauer, Duke University

May 16 -

Annual Scholarship Awards Dinner;
Engineering Panel Discussion

June 20 -

March 2024

Durham Engineers Club Meeting

featuring

Cybersecurity of Facility-Related Control
Systems (FRCS)

by

Tim Czerniejewski, Coffmann Engineers &
Greg Czerniejewski, CDM Smith

Abstract

Facility-related control systems are critical to the operations of modern buildings and facilities. They provide methods of controlling and monitoring various functions that are essential for comfort, safety, and functionality within a facility. As more of these facility-related control systems become network-connected, the risk of facilities being hit by cyberattacks increases. Left unchecked, these cyberattacks could damage facilities and/or potentially put people within those facilities in harm's way. This presentation will provide an overview of the components that comprise a modern control system including the hardware, software, network communications, and field instruments used by facilities and the cybersecurity considerations that need to be designed and implemented to protect facilities and those who work in them from cyberattacks.

Bios

Greg Czerniejewski (pronounced Cher-neh-ski) has 32 years of experience in Industrial Controls and Automation with systems integration and consulting engineering firms including I&C design and

On-call Rescue Engineering;
Tom Caldwell, StS with FEMA
and the State of North Carolina

[Job Opportunities](#)

**Professional Civil Engineers -
CESI, Statesville, NC.** CESI is a
100% employee owned, mid-size,
multi-discipline land development
firm.

Job postings can be seen on
LinkedIn;
contact Ashleigh Crosby
at ashleighcrosby@cesicgs.com
or 704-615-0703 for a link to job
postings.

application programming for HMI/SCADA and PLC systems. Greg is currently a Senior Automation Engineer and Regional Team Leader with CDM Smith, a full-service consulting engineering firm that serves Water, Environmental, Transportation, Energy, and Facilities clients. He obtained his professional engineering license in FL in 2001 and is also a PE in NC, SC, and TN. He is the past chair of the NC One Water (formerly NC AWWA-WEA) Automation Committee and past chair of the Automation Committee's security subcommittee. Greg has also served as an instructor for NC Water Operators Association (NCWOA) and for NC One Water since 2014.

Tim Czerniejewski graduated from NC State University with a Computer Science Bachelor's Degree in 2022 and joined Coffman's electrical engineering team, starting his consulting engineering career post-graduation. His focus is on cybersecurity engineering supporting many specialty systems to address public safety and network security across a variety of secure, federal, and local government facilities.

Tim holds an Associate Certified Information Systems Security Professional (CISSP) certification and is very familiar with DoD requirement of cybersecurity and telecommunication systems, and has project experience with the US Coast Guard, Army, Navy, Air Force, Marine Corps, and Army Reserves. Tim's design complies with cybersecurity requirements according to DoDI 8500.01 Risk Management Framework (RMF), ICD/ICS 705, UFC 4-010-06 Cybersecurity of Facility-Related Control Systems, and Air Force Guidance Memorandum (AFGM) 2017-32-01.

Register Now!

[I can't make it](#)

Dear Fellow Professional :

Please consider this special invitation to attend our regular monthly meeting on Thursday, March 12, 2024, from 5:30 to 8:30 PM.

Please click on the link above to register. The buffet price is \$16.99 with a \$1.00 discount for seniors 60 and above. NC sales tax will be added. Drinks are additional.

Social time is from 5:30 to 6:00 pm. Dinner is from 6:00 to about 6:30 pm and the seminar will begin about 6:30 pm.

One (1.0) PDH will be provided; a terrific bargain! Please join us for this great presentation by clicking on the "Register Now" link above. If you cannot attend please let us know as well, and feel free to forward this invitation to as many others as you would like using the link at the bottom of this email.

If you do not wish to continue to receive event invitations from the Durham Engineers Club, please unsubscribe using

the link at the bottom of this email. The Durham Engineers Club has one meeting per month.

We look forward to seeing you at the meeting!

Sincerely,

René Johnson

Durham Engineers Club

durhamengineersclub@gmail.com

919-215-3509