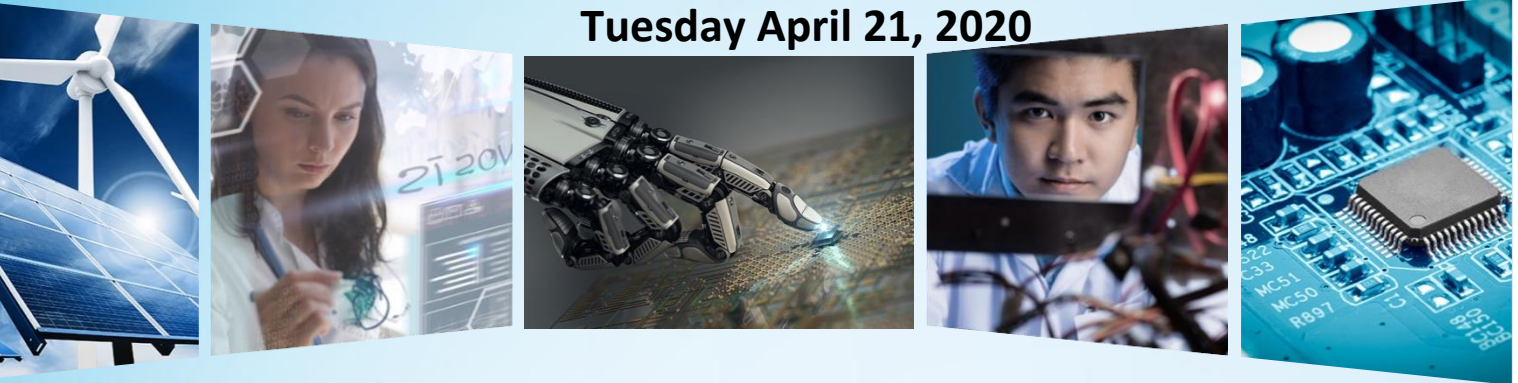# Professional Development Conference
Tuesday April 21, 2020

Doug Jacobson, Ph D
The Internet of Things: Why I should fear my toaster?

Recently hackers managed to disrupt a key service (DNS) in the Internet. In this attack it was estimated that over 100,000 devices sent a constant stream of requests to the DNS servers owned by one company which was more traffic than they could handle. They did this by taking over computers and other devices connected to the Internet and using them overwhelm the DNS service. Devices like cameras, alarm systems, and home comfort are now being connected to the Internet to make our lives simpler. These devices are referred to as the Internet of Things (IoT) and make up more than half the total number of systems connected to the Internet.

This presentation will look at the growth of IoT ranging from industrial control to our power grid and the home market. We will explore what types of attacks playout against IoT. We will look at methods to secure both critical infrastructure as well as your home network.

Andy Neller, CISSP, CRISC, CCE
IOT Security - The new insider threat

Description: Attendees will see how hidden threats may be lurking in their homes and offices. I will show examples of IoT exposures and methods to help protect yourself and your privacy. During the presentation, I will outline many different threat scenarios and some of the common pitfalls when implementing these types of systems.

Where:
Cedar Rapids Marriot Hotel
1200 Collins Road NE
Cedar Rapids

Communication, Teamwork, and Leadership Training for Multidisciplinary Research Teams Workshop

The use of cyberinfrastructure (CI) in research is becoming ubiquitous as the use of computing emerges in nearly every scientific domain. Out of necessity, many resarchers have become CI-Users: individuals who need to employ advanced computation in their work, but who do not have broad expertise in CI. These CI-Users frequently request the support of CI-Professionals, who are experts in computational tools and methods.

As the integration of CI in research continues, CI-Professionals find themselves tackling problems and consulting on projects that are increasingly complex and collaborative. CI-Professionals need the professional skills to work effectively in teams with diverse backgrounds, experiences, and goals. This workshop provides professional skills training in communications, teamwork and leadership for graduate students. This workshop will help prepare attendees to collaborate effectively with CI-Users to advance multidisciplinary, computationally-intensive research.

When:
Tuesday, April 21, 2020
8-8:30 Registration and Continental Breakfast
8:30–11:45 Morning sessions
11:45–1:15 Luncheon
1:15–4:30 Afternoon sessions

Reservations:
cr-ieee-procon.org

Cost:
IEEE Members: $100
Non-members: $135
Students/Life members: $45