



# CAE FORUM



**2 September 2020**

**Quantum Computing and how it relates to security (1:00 – 1:40pm EST) and  
CISA Election Security Overview (2 – 2:40pm EST)**

Mark your calendar and come join us for CAE Forum! CAE Forum is a live, real-time, online, academic forum where members of the CAE community give non-technical presentations on topics of value to the CAE community. CAE Forum is about sharing your ideas, knowledge, and expertise to empower and strengthen our community. It's that simple. CAE Forum presentations are normally held on the first Wednesday of each month during the Fall and Spring semesters.

Just log in to <https://caecommunity.zoom.us/my/caeforum> as a guest.

**Time:** 1:00-1:40pm EST

**Presenter(s):** Dr. Chuck Easttom, University of Dallas

**Topic:** Quantum Computing and how it relates to security

**Description:** Quantum computing is advancing rapidly. This has substantial ramifications for cybersecurity, particularly the security of asymmetric algorithms and the entire PKI structure. This talk will provide a current status of quantum computing and explain the impact on cryptography.

## **Followed by**

**Time:** 2:00 – 2:40pm EST

**Presenter(s):** David Kuennen, Cybersecurity Specialist – Cybersecurity and Infrastructure Security Agency (CISA)

**Topic:** CISA Election Security Overview

**Description:** This presentation provides a summary of election infrastructure, the election security risk landscape, and CISA's Election Security Initiative (ESI). It summarizes developments from 2016 to date and gives an overview of ESI's strategic plan and lines of effort for 2020, including the #Protect 2020 campaign. Additionally, it identifies CISA resources and services that are available to members of the election community, as well as identifies best practices for building resiliency in the election infrastructure.

A recording of the presentation will be available at: <https://www.caecommunity.org/content/cae-forum-resources>.

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