

You are invited to the ISU's second Cyber-Physical System (CPS) Based Cyber Defense Competition (CDC)



www.iserink.org

Why CPS CDC ?

After a successful pilot CPS-CDC in spring of 2016 we are hosting the second CPS-CDC. Cyber defense competitions (CDCs) are used to develop technical skills and a deeper understanding in cyber security. While CDCs have solidified and enriched student understanding and competency in defending computer and network systems, none of these competitions have focused the protection and exploitation of critical infrastructures. ISU received an NSF grant to develop a framework for integrating critical infrastructure systems (e.g., power grid and water grid) into our effective and well established CDC model. The resulting framework will enable others to replicate CPS-CDCs providing an avenue for producing professionals who can help secure cyber-physical systems. By leveraging the ISU *ISERink* / *ISEAGE* platforms, we have produced a scalable framework to realize a CPS-CDC promoting inquiry-based learning. (ISEAGE/ISERink is funded by DoJ).

Details

You are invited to experience the ISU CPS-CDC.

Who should attend This event is open to the public. We encourage schools, companies and government agencies interested in security and/or CPS security to attend. You will have a chance to learn about how we implement the CPS-CDC and how you can utilize our framework. You can also interact with the student teams participating in the event.

Dates: October 7 & 8, 2016

Location: 1313 Coover Hall, ISU

Additional Info: www.iserink.org

Schedule:

- Fri: 12 10 pm Team final setup
- 3 6 pm Sponsor tables
- Sat: 8 4 Competition
 - 8 4 Sponsor tables
 - 9 10 am Overview of CPS-CDC
 - 4 5 pm Red team debrief and awards

How to participate (email <u>cps-cdc@iastate.edu)</u>:

Red Team: We invite cyber security experts to come on Saturday and be part of the red team and test the defenses of the blue team. Blue Team: The number of blue teams is limited for this CPS-CDC. We are allowing a few guest teams beyond the ISU teams. (contact us by Sept 15 if interested)

Guest and/or Sponsor:

We encourage anyone interested in the CPS-CDC to attend and if your organization is interested in sponsoring the event please contact us. Watch via streaming video: (see <u>www.iserink.org</u> for details) Registration: We would like to get an estimate of the number of attendees. Email by Sept 30: <u>cps-cdc@iastate.edu</u> if you wish to participate.

