

2017 PLab Faculty Development Workshop

Faculty Development Workshop on Information Assurance and Security: PLab

The workshop date is on April 22, 2017 (Saturday).

This workshop is intended to promote information assurance and security (IAS) education, to enhance student learning experience, and to foster collaboration among faculty in the IAS field using an innovative portable learning and teaching platform, PLab. Application and registration is free. The participants will also receive stipends. The application deadline is March 10, 2017. For more information, please refer to the project web site at <https://sites.google.com/site/iasoncs/>.

How To Apply:

Please submit/email the following documents as part of the workshop application to wchen@tnstate.edu by March 10, 2017, with an email subject “PLab Faculty Workshop 2017.”

- One-page statement including your interests in IAS, research, teaching, and educational background, courses taught, planned courses, and how you will incorporate workshop training materials to your teaching. Commitment to participating in discussion and contribute to improve our workshop and the development of IAS research and education.
- One supporting letter from your department chair or dean indicating institutional commitment to support the incorporation of the workshop materials to your teaching.

Deadline of Application

Please submit your application package by March 10, 2017. You will be notified within one week after the deadline. Admissions will be based on teaching preferences and commitment to adopt PLab learning modules, and available funds. Priority will be given to faculty who commits to adopt PLab and report student evaluations after teaching.

Date and Time:

April 22, 2016 (Saturday). Workshop participants are expected to arrive on April 21, 2017 (Friday) and report their arriving on the same day. Workshop will start at 8:00 AM, and ends at 5:00 PM, on April 22, 2017.

Location: Room #162 in RSP building at Tennessee State University at Merritt

Boulevard Campus. You can find campus map and know how to get there in the following

website: http://www.tnstate.edu/contact_us/maps.aspx

What to Bring:

You are required to bring a laptop and an Android phone/tablet with a USB cable. Wireless connection will be available.

Lodging Arrangements

Tennessee State University main campus is located in downtown area. There are many options for lodging. The rates of the hotels in the area start from \$90.

Participant Stipends:

A stipend \$800 will be given to a participant.

Workshop topics:

- Network Security: The major protocols and vulnerabilities include, Cryptography, hands-on labs on network security.
- Web Security: hands-on labs on web application vulnerability assessment, secure programming, static analysis.
- Database Security: hands-on labs and case studies on dictionary access control, role-based access control, mandatory access control, and database security.

Agenda

Friday, April 21, 2017	Agenda	People/Place
– 5:00 PM	Report/ registration	Dr. Wei Chen Room 05P, McCord Hall
5:00 PM –	Report	Dr. Wei chen wchen@tnstate.edu
Saturday, April 22, 2017		
8:00 - 8:30 AM	Breakfast / Registration	Tao Zhao
8:30 – 9:00 AM	Preparation	Tao Zhao
9:00 - 9:15 AM	Welcome from Chair of Dept. of CS	Dr. Ali Sekmen
9:15 - 9:45 AM	Participants introduce each other	Dr. Wei Chen (PI)
9:45 - 10:15 AM	Introduction to PLab	Dr. Chen
10:15 - 10:30 AM	Coffee break	
10:30 - 11:30 PM	Network Security, cryptography	Dr. Chen
11:30 – 12:00	Hands-on Lab on Android mobile programming and network security	Tao Zhao , Dr. Chen
12:00 - 1:00 PM	Lunch	
1:00 – 1:30 PM	Hands-on Lab on Android mobile programming and network security – Continue	Tao Zhao
1:30 – 2:00 PM	Database Security	Zhijun Yin, Dr. Chen
2:00 - 3:00 PM	Hands-on labs on database security	Zhijun Yin
3:00 - 3:15 PM	Coffee Break	
3:15 - 3:45 PM	Introduction to web security	Dr. Al Nasr
3:45 - 4:30 PM	Hands-on labs on web security	Dr. Al Nasr
4:30 - 5:00 PM	Discussion, Survey, and Closing	Dr. Wei Chen

This workshop provides an excellent opportunity to develop instructional excellence and to network with peers. Expected outcome of the workshop is to provide concrete case studies, and hands-on lab material, test questions, and evaluation rubrics that can be applied in teaching information assurance in computing related courses. The workshop will also focus on developing effective evaluation instruments that can lead to peer-reviewed publications in CS education conferences/journals.