



## Workshop: Information Assurance and Security on Portable Labs

### Sponsors:

Department of Computer Science & National Science Foundation (Award #: DGE- 1438924)

**Data & Time:** 9:00 am – 3:30 pm, December 11 – 12, 2015

**Location:** Lab 13 McCord Hall

### Agenda:

12/11/15

9:00 am – 12:00 am: Lecture – Network protocols & vulnerabilities, detection & prevention

12:30 pm – 3:30 pm: Hands-on project: IP packets, IP routing, IP spoofing, TCP SYN flooding, ARP Spoofing

12/12/15

9:00 am – 12:00 am: Lecture – Confidentiality, Integrity and authentication, and SSL security protocol

12:30 pm – 3:00 pm: Hands-on project: RSA encrypt, Hashing, SSL

**Eligibility of attendees:** undergraduate/graduate students in College of Engineering at TSU

**Your name and T-number are required to register** – the first 30 registration will be accepted.

**Registration link:** <http://goo.gl/forms/8O5azl4BCu>

### Preparation for the workshop:

- Attend the workshop with a laptop.
- Webpage of PLab: <https://sites.google.com/site/iasoncs>
- Download Wireshark from this link: <https://www.wireshark.org/download.html>
- Download JDK from this link: <http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html> . Please first select “accept license agreement”, and then download the version suitable for your system.
- Install the android development tools from this link: <https://developer.android.com/sdk/index.html>. Download the android studio for windows.