**Project 1: Information Assurance and Security**

**Laboratory for the project** – PLab: Information Assurance and Security Education on Portable Labs

* Webpage of PLab: <https://sites.google.com/site/iasoncs/home/network-security>

1. **Pre-Lab Activities:**
   1. Install and run traffic dump
   2. Install Wireshark
2. **Four Lab Experiments:**
   1. IP packets
   2. IP routing - optional
   3. IP spoofing (android) - see separated guideline
   4. TCP SYN Flood – optional
   5. Traffic analysis (Snot/Tcpdump) – It requires an android tablet/phone

**Requirement of the project report:**

For each Lab experiment:

1. Describe the purpose of each experiment
2. Attach the running page of the experiment
3. Observation from the results to match the purpose of the experiment you described.