ECE803 Tutorial Sheet 2

Friday, 11 November

The purpose of this tutorial is to get a better understanding of CWEs, CVEs and CVSS.

In the first step you should visit https://www.us-cert.gov/ics. This is the website of ICS-CERT in the US. You will find three sub-pages on Alerts, Advisories and Reports.

Look at the advisories and select some to study in more detail (for example ICSA-22-286-04). If you visit the page, you will find a CVSS Base Score, information (a link) to relevant CWEs and CVEs. You should look at the relevant CWE (this will take you to mitre.org) and also the CVE (which will take you to the National Vulnerability Database).

Now visit https://www.first.org/. They have a CVSS SIG that you can access from the home page. The first link on the left hand side of the SIG page is a CVSS calculator and you can experiment with that to see how the CVSS score was calculated for the ICS-CERT Advisory. You should spend time exploring the tool and associated material in more detail.

Finally, visit
https://capec.mitre.org/ and https://attack.mitre.org/matrices/ics/
Explore these websites to understand some of the common attack patterns that are being seen.