Notes from Session 5

Security and Defence II

There were the following comments in the plenary discussion of the second session on Security & Defence:

- Current work is not tied into the open internet but is engineered such that you could do so if you wanted or needed to.

- Under certain conditions you can be allowed to run classified traffic over the open internet, but policies are still in development.

- How do you handle key exchange? Two types – a pre-placed key and lately a public key exchange along with establishment of policies for use.

- Has incorporated both IPv4 and IPv6.

- Manufacturers are interested in deploying such technology for commercial enterprise use.

- Sweden does not have tides, so they would need to have real time meteorological information to feed the system – this information is available.

- In ships there is latency between the time you command the ship to do something and when the motion is completed…to make this application work, you should have an update frequency of 30 hz and tie it into the GPS system to calculate your turn rate in advance.

- Large ship mariners would also find this useful to mitigate the effects of sleep deprivation.

- There is a wireless device called SECNET 54 for 802.11G encryption available.

- How do you enforce security policies? This is a challenge.

- Sometimes having access is more important than having secure access and vice versa.

- Sometimes secure access is not important because of timing, and sometimes it is too hard to get. Again – the 100% solution is not required. Systems need to be flexible.

- Vivismo search engine – shows categories per search allowing you to customize your search a bit.

- Internet Archive – project to backup the internet…used in fraud cases.

- Concept vector based search engines may help to cut down your search space more effectively and may allow for faster generalizations of concepts.