BOV
Telecommunications and Networking Program Talking Points
David Tipper

Student Body

Remains predominately international - enrollment was flat despite large increase in the number of applications (almost all international students from India and China).

Increase in number of internships both for credit and not for credit.
High placement rate of Spring 2014 graduates.

Increase in number of Ph.D. applications – 3 new students.

Research and Curriculum Highlights

Publication of Prashant Krishnamurthy's book *Principles of Wireless Access and Localization, John Wiley and Sons.*
http://www.wiley.com/WileyCDA/WileyTitle/productCd-0470697083.html

Recognition of Kostas Pelechrinis's research on urban informatics – in particular work on finding safest shortest route
http://nextcity.org/daily/entry/pedestrian-open-data-safest-shortest-walk-map

Recognition of David Tipper's survey research on Smart Grid Communications and DDOS Attacks both in top ten most downloaded articles IEEE Communications Society during past academic year.

New grants
> NSF Martin Weiss (joint with Va. Tech) "Virtualized Wireless Networks and Their Impact on Capacity Markets"
> NSERC Post Doc Martin Levesque for 2 years focus on Smart Grid Security and Synchronization
> NSF: J. Joshi, K. Pelechrinis, B. Palanisamy, B. Parmanto, P. Krishnamurthy, "A Curriculum for Security Assured Health Informatics,"

Collaboration with Electrical and Computer Engineering on Smart Power Grid Systems – joint papers, proposals (still pending) and dissertation committees

Collaboration with local startup Accipiter Systems on data center networking – internship, lab testing – joint proposal

IS and Tele Collaboration with SEI/CERT on Science of Security – Post Doc Eric Hatleback

Ongoing development of Pitt On-line versions of Telecom courses in Security Track

Joint IS and Tele grant from NIST on ICT Standards Related Educational Material: Videos, slides, and assignments – workshop planned

Needs:
- Updated lab equipment and experiments focused on Software Defined Networking
- Marketing of the CAS in Security – especially on-line version
- Domestic students
- Expanded BSIS with more depth in curriculum - revised course offerings from Tele, IS and LIS
- Hiring of Internship coordinator
- Hiring of program assistant/lab manager