

CSc 82100 Network Forensics

Prof. Ping Ji

This course assumes students with basic knowledge in Computer Networks, Operating Systems, and Statistics and acquainted with at least one programming language. The topics of this course include but not limit to monitoring and measurement principles and tools for network traffic collection and investigation, anonymity and other camouflage techniques, IP-trackback and stepping stone detection, IP-prefix hijacking, accountability, In-depth packet analysis, wireless networks and its security, Spam inspection, intrusion detecting and response, steganography and steganoanalysis, and multimedia forensics. Students will also have chance to study the state-of-art research in the field that are particularly interesting to them and work on research projects accordingly. A final course project is required.