Colloquium

Date and time: Tuesday, February 16, 2016, 2:30 p.m.
Venue: LI 98

Title: **A phish detector using lightweight search features**

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Abstract: Web phishing is a well-known cyber-attack which is used by attackers to obtain vital information such as username, password, credit card number, social security number, and/or other credentials from Internet users via deception. Current web phishing detection solutions are quite heavy in terms of their computational and communication requirements. In this talk, I will discuss our recent work which advances search engine based antiphishing research and presents the lightest possible phishing detection system, named the Lightweight Phish Detector (LPD). The LPD can run on client browsers for phishing detection. The development of LPD was done using the Google Chrome browser. Exhaustive testing has been performed to evaluate its accuracy and effectiveness. A competitive response time and intelligent action-response mechanism makes LPD a fast and intelligent antiphishing solution.

Speaker's brief bio: Gaurav Varshney is a PhD student at IIT, Roorkee. He is currently a Visiting Scholar (with Prof. Pradeep Atrey) at the Dept. of Computer Sc., SUNY, Albany. His research interests include securing users against cyber spying and developing advanced authentication schemes for thwarting phishing attacks. He has done his Master's from IIT, Roorkee in 2012 in the area of phishing prevention schemes. Gaurav has also worked with Qualcomm, India (2012-14) as an Engineer and done internships at Tata research development and design center, Pune India and Pure Testing private limited Noida. Gaurav also specializes in developing security apps and extensions over chrome and android, some of which are currently available at the webstore.