

**THE CONCORDIA INSTITUTE FOR INFORMATION SYSTEMS ENGINEERING
IS PLEASED TO PRESENT THE FOLLOWING GUEST LECTURE IN
OUR CIISE SEMINAR SERIES**

Benwen Zhu, M.A.Sc.

Concordia Institute for Information Systems Engineering

**Constructing Privacy-Preserving Intrusion Detection Alerts for
Correlation and Retrieval**

Abstract: Ever since last century, Intrusion Detection Systems (IDS) has been widely adopted as a kind of predominant network and system security tool to assist administrators understanding network activities.

Over the last several years, to deal with the tendency of large scale and multiple steps internet attacks, there has been an emerging countermeasure which is to deploy cross-domains IDS alerts collection and analysis centers in order to cooperatively identify, track malicious activities as well as seek optimal responses against them.

However, contributors' privacy concern limited the popularization of cooperatively analysis since people are worried about sharing their sensitive information in plaintext and this defeats their interest to participate in this plan.

In this seminar, we will first outline some privacy issues in the preamble mentioned scenario, and then give our solutions based on the observation of similarity between correlation algorithms and encrypted keyword search. We concluded that our approach could benefit both contributors and correlation centers.

Biography: Benwen Zhu is currently pursuing his Master of Applied Science in Information Systems Security advised by Dr. Bo Zhu at Concordia University. His current researches mainly focus on adopting applied cryptography technologies to protect data privacy.

Thursday, November 13, 2008

**16:00 – 17:00
EV011.119**

Refreshments will be served
(1515 St. Catherine Street West)

