

*The University of Alabama
Department of Computer Science
Colloquium Series Speaker*

**Benjamin Fung
Simon Fraser University**

Privacy Preserving Data Publishing

**Tuesday, March 6
11:00a.m., Houser 108**

Abstract:

The success of data mining relies on the availability of high quality data. To ensure quality data mining, effective information sharing between organizations becomes a vital requirement in today's society. Since data mining often involves person-specific and sensitive information like medical records, the public acquires a negative impression that data mining is a tool for privacy intrusion. Privacy preserving data publishing is a study of eliminating privacy threats while, at the same time, preserving useful structures in the released data for data mining. This talk studies a collection of privacy threats in real life data publishing, and presents a unified solution to address these threats.

Benjamin Fung's Bio:

Benjamin Fung obtained his B.Sc. and M.Sc. degrees in computing science from Simon Fraser University. As a recipient of the Natural Sciences and Engineering Research Council of Canada (NSERC) Postgraduate Scholarship Doctoral Award, he is currently a Ph.D. candidate at Simon Fraser. His research interests include data mining, information security, privacy preservation, and text mining. Before pursuing his Ph.D., he worked in the R&D department at Business Objects and designed reporting systems for various Enterprise Resource Planning (ERP) and Customer Relationship Management (CRM) systems.

Mr. Fung has published in data engineering, data mining and security forums, such as, ACM SIGKDD, IEEE TKDE, IEEE ICDE, IEEE ICDM, and IEEE ISI. He serves as a program committee member for ACM SIGKDD 2007 and HPDMA 2007.