**Faculty of Computer Science**

**UNB**

# 2009/2010 Seminar Series

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## Fixed-Parameter Tractability of Anonymizing Data by Suppressing Entries

By
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When data about individuals is released, publicly or for analysis, individual privacy can be protected by ensuring that all records are k-anonymous, so that each record is identical to at least k-1 other records in the dataset.

This anonymity can be provided by suppressing data entries; we seek to minimize the total number of entries that are suppressed, so that we can protect privacy while losing only a minimum amount of data. This problem, however, is NP-hard and is also hard to approximate, but it is fixed-parameter tractable for some parameters.

This talk will present the e-suppression problem, discuss the parameterized algorithms that solve it, and also identify the techniques developed in these algorithms that can be applied to this and other k-anonymization problems.

# Wednesday, March 31 @ 3:30pm
# Information Technology Center, C-317