

COLLOQUIUM SPEAKER SERIES

Mathematics and Computer Sciences

Tuesday April 7
10:00-10:50, room D633



Dr. Osmar R. Zaiane

McCalla Professor in Computing Science
at the University of Alberta, Edmonton.
Scientific Director of the AICML
(Alberta Ingenuity Centre for Machine Learning).

BIO:

Ph.D. in Computer Science from SFU, 1999
Master's degree in Computer Science at Laval University, 1992.
Master's degree in Electronics at Paris XI University, 1989.
B.Sc. Honours, University of Tunis, 1988.

RESEARCH INTERESTS:

novel data mining algorithms, web mining, text mining,
image mining, and information retrieval.
His current research focuses on the application of
Data mining in health care.

ON ASSOCIATIVE CLASSIFIERS: ACHIEVEMENTS AND POTENTIAL

Abstract

There are countless paradigms and strategies for devising a classifier. Associative classifiers use association rules as a model and are a very new approach to rule-based classification. While they are still not as accurate as other approaches, they have many advantages and certainly potential in many applications.

We will briefly introduce associative classifiers, discuss their main three phases: rule generation, rule pruning and rule selection, and highlight the differences between the suggested strategies.

We will also present our current research work targeting these three individual phases to improve the effectiveness of such classifiers.

STUDENTS ARE ENCOURAGED TO ATTEND !