University of Lethbridge

MATHEMATICS & COMPUTER SCIENCE

Computer Science Seminar

Speaker: **Val Catalin Buiac**

Title: **Data Warehouse Architectures**

Date: **Friday Feb 28/03**

Time: **4:00 - 4:50 p.m.**

Room: **B650**

ABSTRACT

Data Warehousing has emerged as an increasingly popular and powerful concept of applying information technology to turn data into meaningful information for better business decisions.

In today's competitive global business environment, understanding and managing enterprise information is crucial for making timely decisions and responding to changing business conditions. Many companies are realizing a business advantage by leveraging one of their key assets - business data. There is a tremendous amount of data generated by day-to-day business operational applications. In addition there is valuable data available from external sources such as market research organizations, independent surveys and quality testing labs. Studies indicate that the amount of data in a given organization doubles every five years.

In our presentation we give a definition of data warehouse, we speak about the data warehouse role, and finish by presenting data warehouse architecture concepts. Many warehouses are developed without an architectural plan. We will try to demonstrate that without architecture, subject areas don't fit together, connections lead to nowhere, and the whole warehouse is difficult to manage and change.