



# OPTIMIZATION SEMINAR SERIES

## DEPARTMENT OF MATHEMATICS & COMPUTER SCIENCE



**Dr. Vijay Mago**

*Lakehead University*

**Social science  
to artificial  
intelligence  
and beyond –  
a journey**

**Thursday,  
May 30, 2019  
1:00 – 1:50 PM  
C630**

As researchers in computer science, we always face a challenge when people ask about the application of our research; policy makers talk about how computer science can help them predict the impact of policies - knowledge translation for practitioners, and as theoretical scientists, we want to improve the existing algorithm or develop new ones - incremental research.

The focus of this talk is to present the recent works at DataLAB at the Lakehead University, where we have applied our research outcomes to – a) support the student mobility between colleges and universities, b) develop law cases repository c) understand the contributory factors of success for transfer students, d) build

artificial intelligent facilitator for conceptual map building, e) present a simulation framework to test the policies for homeless in Montreal, f) design a new algorithm for semantic analysis, g) design an improved algorithm to automate essay evaluation, and finally h) a mechanism to host big data on High Performance computing for near real-time searching and querying.

Learn more, visit:  
[ulethbridge.ca/artsci/Mago](http://ulethbridge.ca/artsci/Mago)

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