

**Department of Mathematics and Statistics Colloquium**

## **Optimization and some applications**

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**Abstract:** In this presentation, we will begin by presenting tools from single variable calculus used to find solutions to optimization problems. Then, we will generalize these concepts and their use in solving continuous optimization and optimal control problems. We will further discuss the role numerical analysis and technology play in the process. Examples of applications from his previous and ongoing research will be presented.

**Monday, March 2 at 3:45 in Roop 103**

**refreshments at 3:30**