



# UBC Okanagan IEEE Student Branch

Presents

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## Matlab Object Oriented Programming

Date: Wednesday, November 16

Time: 6:00 PM – 8:00 PM

Place: UBC Okanagan, Room EME  
2205



**Abstract:** This workshop will introduce students to Object Oriented Programming (OOP) in Matlab. OOP enables users to develop complex technical computing applications in Matlab faster than with other programming languages, such as C++, C#, and Java™. With object-oriented design patterns, users benefit from code reuse, inheritance, encapsulation, and reference behavior without engaging in the low-level housekeeping tasks required by other programming languages.

### **Subject to be Discussed (Time Permitting):**

- Why Use Object-Oriented Design
- MATLAB Classes Overview
- Class Definition
- Defining and Organizing Classes
- Value or Handle Class
- Building on Other Classes

**For more information about Object Oriented Design in Matlab, refer to:**  
[http://www.mathworks.com/help/pdf\\_doc/matlab/matlab\\_oop.pdf](http://www.mathworks.com/help/pdf_doc/matlab/matlab_oop.pdf)