ELE709 – Real-Time Computer Control Systems

- **Course Outline**

- **Key Knowledge to Be Acquired**
  Fundamental knowledge in the specification, design, analysis and implementation of real-time systems and digital control systems.

- **Key Skills to Be Mastered**
  Multi-threaded programming using Pthreads. Implementation of real-time applications on a Linux-based real-time operating system.

- **Potential Careers**
  Control system engineers, mechatronic system engineers, embedded systems engineers, system integration engineers, instrumentation engineers, ...

- **Potential Employers**
  Potential employment can be found in the following industries: automotive, aerospace, oil and gas, power, ...

- **Graduate Studies**
  University of Toronto, University of Waterloo, University of BC, McGill University, etc.