**FRI Image & Acoustic Signals Analysis**

Faculty: Scott Craver, Lijun Yin, Mark Fowler & Stephen Zahorian
Research Educator: Shaun Canavan

**Freshman SPRING COURSE**
- Digital forensics
- Automatic speech recognition
- Data compression
- Face recognition
- Expression analysis
- Human-computer interaction
- Computer programming
- 3D modeling & 3D printing
- Linear algebra & statistics
- Basic data collection & management techniques

**PRODUCTS:** Research report & proposal

**Sophomore FALL COURSE**
- Continue with research project
- Computer programming
- Data visualization
- Linear algebra & statistics
- 3D modeling & 3D printing
- Data collection & management
- Scientific writing & communication

**SUMMER FELLOW**
- Image & acoustic signals data collection
- Image & acoustic signals data analysis
- Image & acoustic signals data visualization
- Continue with research project

**PRODUCTS:** Research report & poster

**EXPECTED RESULT:** Develop novel solutions to challenging image processing & acoustic analysis questions.