



COLLEGE of ENGINEERING AND PHYSICAL SCIENCES

SCHOOL OF COMPUTER SCIENCE

PhD Seminar 2

Friday March 3, 2023 at 11am via Zoom

Ammar Almutawa

*Exploring an Automated Feedback System Framework to
Facilitate Instructors' Self-Assessment*

Advisor: Dr. Judi McCuaig

Co-Advisor: Dr. Dan Gillis

Advisory: Dr. Luiza Antonie

Advisory: Dr. Andrew Hamilton-Wright

Abstract:

Instructors in higher education face challenges getting feedback about their instructional practices. This research investigates the creation of a framework to provide automated private feedback to instructors. A proof-of-concept experiment demonstrates the potential of automatically providing instructors with feedback about key instructional skills.

This research makes three contributions: a) the identification of essential skills for instructors; b) the design of the AFSI framework; and c) the exploration of data to demonstrate that feedback topics can be automatically determined. The objective of the AFSI feedback is not to judge the instructors' performance but to provide private and immediate feedback that can help instructors to adjust their practice as the semester progresses.