



COLLEGE of ENGINEERING
AND PHYSICAL SCIENCES

SCHOOL OF COMPUTER SCIENCE

PhD Defence

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

Chair: Dr. Joe Sawada

Advisor: Dr. Judi McCuaig

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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. It limited the investigation to use one instructional practice, the course outline preparation, as the proof-of-concept experiment to demonstrate the potential of automatically providing instructors with feedback about communication, organizational, and planning instructional skills.

This research makes three contributions: a) the identification of essential skills for instructors; b) the necessary components to design the proposed 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