



COLLEGE of ENGINEERING AND PHYSICAL SCIENCES

SCHOOL OF COMPUTER SCIENCE

PhD Qualifying Examination

Monday February 24, 2020 at 1:00PM in Reynolds, Room 1101

The Organizational Factors Influencing the Adoption and Usage of
Cloud-Based Big Data Analytics in Education Institutes: The Case of
Saudi Arabia

Ali Al Hadwer

Chair: Dr. Joseph Sawada

Advisor: Dr. Dan Gillis

Advisory Committee: Dr. Davar Rezanian [Economics]

Non-Advisory Committee: Dr. Judi McCuaig

Non-Advisory Committee: Dr. Denis Nikitenko

ABSTRACT:

Cloud-based Big Data Analytics (CBDA) is an emerging application of Business Intelligence (BI), and its successful adoption in the higher education sector leads to valuable outcomes that improves teaching, learning, research and policy. Yet, CBDA use in this sector for informed decision making is falling behind compared to the business sector. Like any new innovation, full capabilities of CBDA can be reached if its adoption factors are identified. This is a case study research, in the intersection of computational science and management, to uncover the technical and non-technical factors that affects the adoption, acceptance and use of CBDA in the education sector of Saudi Arabia.