



# TELFER

# THESIS COMPETITION

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## 2020

Hosted by:



# AGENDA

<i>9:00-9:05</i>	Welcome and Opening Remarks from the Dean: Dr. Wojtek Michalowski
<i>9:05-9:10</i>	Message from the Vice-Dean (Research): Dr. Shantanu Dutta
<i>9:10-9:15</i>	Message from the TGRPSA: Andrew Scarffe & Mara Mihailescu
	<b>Student Presentations Begin</b>
<i>9:16-9:26</i>	Peyman Varshoei
<i>9:27-9:37</i>	Mary Valdes
<i>9:38- 9:48</i>	Marwa Solimon
<i>9:49- 9:59</i>	Shikha Shukla
<i>10:00- 10:10</i>	<b>Virtual Refreshment Break</b>
<i>10:11-10:21</i>	Nina Nездoly
<i>10:22-10:32</i>	Amin Masoudi
<i>10:33-10:43</i>	Michael Le
<i>10:44-10:54</i>	Nadia Landry
<i>10:55-11:05</i>	Hamidreza Kavandi
<i>11:05- 11:15</i>	<b>Virtual Refreshment Break</b>
<i>11:16-11:26</i>	Monisha Kabir
<i>11:27-11:37</i>	Mariam Hussein
<i>11:38-11:48</i>	Meisam Hoseini
<i>11:49- 11:59</i>	Maya Dancey
<i>12:00-12:10</i>	Esra Benismail
<i>12:10 PM</i>	<b>Closing Remarks</b>

## JUDGES



**Dr. Jane O'Reilly**

Associate Professor  
Organizational Behavior / Human Resources



**Dr. Danial Khorasanian**

Postdoctoral Fellow



**Dr. Onur Ozturk**

Assistant Professor  
Business Analytics & Information Systems



**Dr. Qianru Qi (Cheryl)**

Assistant Professor  
Finance



**Dr. Walid Lamine**

Associate Professor  
Management

# Hamidreza Kavandi

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**PhD Candidate, Digital Transformation and Innovation**

**Title of the project/presentation:** What are the challenges/issues that nurses face in relation to the use of HIT for the support of seniors' care in the community?

**Biography:**



I began my undergraduate path through the electrical engineering program. Following two years of hard work in the industry, I returned to university for a Master's degree. My wife and I agreed to move to Canada as a migrant in 2013 to give my boy a better future. I noticed that I wanted more technical know-how to solve the challenges that I have faced. I returned to university for a Master's degree, where I won the Nicol internship and co-authored two papers. September 2017, I

started my Ph.D. study in Digital Transformation and Innovation. I won the best poster presentation on the 2018 Management Research Competition, delivered presentations at the 2018 and 2019 Caspher Conferences and Co-authored a paper in a peer-reviewed journal (Wiley). Because of the COVID-19 outbreak, I changed my subject of study problems raised by nurses working with seniors with teaching a health informatics course in the Fall 2020 semester.

## **Presentation Abstract:**

There is a growing number of seniors around the world, especially in North America. Health Information Technologies (HIT) presents opportunities for healthcare providers to support seniors' healthcare needs and care. In light of the COVID-19 crisis, the role of these HIT is becoming even more important. Hence the importance of understanding the factors and challenges that affect the adoption and use of these technologies from the perspective of the seniors and the health care providers.

A systematic review (SR) was conducted to critically appraise and synthesize the existing evidence on the factors that affect the adoption of HIT by seniors. Examples of these technologies include (e.g. telecare). The results of this SR were published in a peer-reviewed article<sup>1</sup>.

Yet, to date, limited information is available on the perceived challenges by health care providers in relation to the use of these technologies and the and change management issues that may be faced.

This research aims to contribute to this area of research. Specifically, a Delphi study will be conducted with nurses practicing at a long-term care facility to assess their perspective in relation to the challenges and barriers to the adoption of HIT to support the care of seniors. A panel of 15 nurses will be recruited for the purpose of this study. Three rounds (brainstorming, narrowing down, and ranking) will be conducted to assess the perspective of nurses in relation to the barriers and issues that they consider as most important in relation to using existing HIT (e.g. Electronic medical record) to support the care of seniors in this COVID-19 era. The results of this study will present an authoritative list of issues and challenges, from the perspective of nurses, and will inform the development of change management strategies to mitigate them.

<sup>1</sup>: Kavandi, H., & Jaana, M. (2020).





# THANK YOU

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**We look forward to  
announcing the  
winners at the *Fall  
Celebration* on  
November 6, 2020.**

**See you there!**