

Information Session on Graduate Studies

Department of Computer Science
University of Western Ontario

December 1, 2021

Plan

① Overview

Objectives

- 1 Give a brief presentation of graduate programs

<https://www.csd.uwo.ca/graduate/current/index.html>

- 2 Answering your questions like *why going to graduate school?*
- 3 What you may not know:
 - Graduate school comes in different flavors
 - Financial support
 - Scholarships and industry internship opportunities
 -

Agenda

- 13:30 Opening remarks by Graduate Chair
- 13:35 Welcome address by Department Chair
- 13:40 I am in 4th year: what to do next?
- 13:45 Salary trajectories: BSc vs MSc
- 13:50 *Doing research in our department*
- 13:55 Questions and answers with senior graduate students
- 14:10 *Details on graduate programs*

Computer Science Department: Administration

Administration

Department Chair: Dr. Michael Domaratzki

Graduate Chair: Dr. Marc Moreno-Maza

Undergraduate Chair: Dr. Mahmoud El-Sakka (Winter) and Dr.
Michael Katchabaw (Fall)

Graduate Program Assistant: Janice Wiersma

Administrative Officer: Lindsay Bos

Undergraduate Program Coordinator: Alex Bannon

Administrative Assistant: Sara Willemse

Program Coordinator: Rim Zakaria

System Group

- Joe Clarke (System Administrator)
- Gary Molenkamp (System Administrator)
- Art Mulder (Web Manager / Software Specialist)
- Jeff Shantz (Manager, Technology and Computing Services)
- Hisham Shoblaq (Client Support Specialist)
- Ticketing system

Computer Science Department: Research

Graduate students

- As of January 1: 51 MSc thesis/project, 28 MSc course-work and 57 PhD students, total: 136 students.
- Since January, 14 PhD students and 16 (resp. 2) MSc students defended their theses (resp. directed studies).
- 25 Students started last January and 54 started this September.

Faculty members

- 22 research faculty members + 2 full-time lecturers
- A research intensive department
- Strong connections with industry (in particular through [MITACS](#) and [NSERC](#) with companies like Bell, IBM, Microsoft, Maplesoft, ...)

Computer Science Department: Research Areas

Research areas

- Artificial intelligence & Games
- Bioinformatics
- Computer algebra
- Data analytics
- Distributed systems
- Computational neuro-sciences
- Software engineering
- Vision and image processing
- Theoretical computer science

Facilities

Hardware

- All graduate students can receive office space and a desk computer upon request
- Graduate Lounge: MC 312

Software

UWO account: access to the wireless, OWL, Zoom, etc.

OWL access: OWL is UWO's online learning management system

Web page: You are encouraged to create your own Web page

Graduate school: opportunities

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- Compute Canada <https://www.computecanada.ca/>

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 - Compute Canada <https://www.computecanada.ca/>
- ② Do **real** research
- ③ Do **industry internships** within a **real research project**
 - MITACS internships <https://www.mitacs.ca/>
 - IBM CAS internships
<https://www-01.ibm.com/ibm/cas/canada/>

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 - Compute Canada <https://www.computecanada.ca/>
- 2 Do real research
- 3 Do industry internships within a real research project
 - MITACS internships <https://www.mitacs.ca/>
 - IBM CAS internships
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- 4 Build connections :
 - Attend conferences <http://2017.hpcs.ca/>
 - Do internships abroad <https://www.mitacs.ca/en/programs/globalink/globalink-research-internship>

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- Research: an opportunity to **contribute to knowledge**
- CS is a young field with new topics emerging every year.

Scholarships

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- Start the process early and apply to the selected UWO graduate school before submitting the scholarship application.