

Ph.D. mentorship program

<https://www.miaegsc-concordia.com/mentorship-program>

- MIAE GSC is organizing a mentorship program with the purpose of **improving junior graduate** (especially Ph.D.) students' **knowledge** about the process of a graduate program
- As fellow research students, we help one another whenever we can.
- The MIAE Ph.D. Mentorship program provides **first year PhD students** with a list of **high achieving** senior Ph.D. candidates.



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Program goals & benefits

- A chance to take advantage of **experience and knowledge** of a graduate student .
- A pleasant and relaxed way to **develop skills** that go beyond your academic background.
- An opportunity to **fast track your knowledge** of the state-of-the-art in your research topic.

Mentors may:

- Provide tips on **academic success**.
- Share advice on **work/life balance**.
- Share their **personal insights**.
- **Recommend literature** on your topic.



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Resources:

- Personal mentor (current Ph.D. candidate)
- Virtual support group
- Monthly events
- Role models (successful Ph.D. graduates)



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*« Tell me and I may forget, teach me and I may remember,
involve me and I learn »- Confucian philosopher, Xunzi.*



2018 Events

Sep- Introduction (w/ mentors & role models)

Oct- Lab tour

Nov- Advice for Ph.D. track

Dec- Story of 2 role models

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Ph.D. Mentors:

- Consists of successful senior PhD candidates, who have done completely the half of the Ph.D. program and are well aware of all challenges.



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PhD Role Models:

- Successful former members.
- Graduated Ph.D.'s in MIAE department who have found success in their career after graduation.



MIAE PhD Mentors



Hamid Ebrahimi Orimi

"A new approach of laser assisted bio printer"

Since 2016, Hamid Ebrahimi Orimi is working on his PhD in the laser assisted bio printing field at Concordia University. The project is in collaboration with the ophthalmology department at University of Montreal. He has a wide range of academic experiences such as software instructor, teaching assistant and Lab demonstrator. He is a recipient of FRQNT-Pbeee, and also he was one of the public scholar winners.

He received his bachelor's degree in mechanical engineering from Ferdowsi University of Mashhad, Iran in 2010, and his master's degree in mechanical engineering from K. N. Toosi University of Technology, Tehran, Iran in 2012. During his undergraduate, he led a team in designing and developing a two-passenger electrical vehicle. The team placed second out of 80 contestants in conceptual and detail designs in the Iranian Machine Design Competition (IMDC). In his master's project, he developed the signal processing and image processing techniques to predict myocardial infraction in rats. The outcome of the project is published as journal and conference papers. I am collaborating as a mentor with MIAE Graduate student Committee since 2017.



MIAE PhD Mentors



Ehsan Yazdanpanah Moghadam

"Mechanbiological study of microglial cells in brain using microfluidic "

Ehsan Yazdanpanah Moghadam received his Bachelor and MSc from Ferdowsi University of Mashhad in Mechanical Engineering. His Master research was focusing on numerical analysis of heat transfer and fluid flow in micro/nanofluidics. He then was working as a research assistant in high-performance computing laboratory of Dr. Roohi.

In 2016, He started his Ph.D. at Concordia University and joined to Optical Bio-Microsystem Lab under supervision of Prof. Packirisamy. He is also working as a trainee in the BioChemistry Laboratory of Prof. Sonneberg at McGill University. His current research is the development of microfluidic chips to study the migration and morphologies of microglial cells in the brain. His interest is microfluidics, Bio Micro-ElectroMechanical Sytems, lab-on-a-chip, heat transfer, and fluid mechanics. He is a recipient of FRQS, and also he was one of the public scholar winners. I am collaborating as a mentor with MIAE Graduate student Committee since 2019.

MIAE PhD Mentors



Mahdi Derayatifar

“Holography-based additive manufacturing using localized waves”

Mahdi Derayatifar received his bachelor's degree in mechanical engineering in 2014 and Master's degree in 2017 from Ferdowsi University of Mashhad, Iran. Previously he has worked on smart materials including piezoelectric energy harvesting, functionally graded piezoelectric, microelectromechanical systems in linear/nonlinear and random vibration.

Since September 2017, he joined PhD program at Concordia in Optical BioMEMS Lab. under supervision of Professor Packirisamy. His PhD research focuses on developing a new technique in the field of additive manufacturing using holographic acoustic field. He has received FRQNT scholarship toward his career. Beside his academic experiences, he has been involved in numerous volunteer opportunities. His research interests include acoustic metamaterial, 3d printing, smart materials, advanced vibration. I am collaborating as a mentor with MIAE Graduate student Committee since 2021.



MIAE PhD Mentors



Shayan Tavakoli Kafiabad

“Optimization of maintenance, production planning and inventory management under uncertainty”

Shayan received his bachelor's degree in industrial engineering from K. N. Toosi University of Technology, Tehran, Iran in 2014., and his master's degree in industrial engineering from University of Tehran, Iran in 2016. He published several articles in well-known journals like Reliability Engineering and System Safety and Annals of Operations Research.

Shayan joined Concordia University as a Ph.D. researcher in Fall 2017 and is a recipient of FRQNT and CIRRELT scholarships. His current research is focused on the optimization of maintenance, production planning and inventory management under uncertainty under supervision of Dr. Kazemi.

I am collaborating as a mentor with MIAE Graduate student Committee since 2020.

MIAE Ph.D. Role Models



Navid Sharifi:

- Current occupation:** Assistant Professor (LTA) at Concordia University.
- Years he was involved in the GSC:** I was a member of MIAE GSC for three years, co-chairing the committee for two of those three years.
- How the GSC helped him career:** GSC helped me develop my social skills and gave me networking opportunities. It also helped me build a strong and mutually beneficial with my supervisors and colleagues. Last but not least, being a member of GSC allowed me to practice and utilize my skills to arrange and organize meetings, events etc. in an academic and professional setting.
- A memorable moment:** After a couple of years of successful activities of GSC, the ENCS administration decided to announce an award for extracurricular activities inspired by our work to encourage similar activities in other departments of ENCS This was a very enjoyable success for us all that not only being relatively successful at what we wanted to do, but also to be inspiration and encouragement for other to follow in our footsteps



Amir Hooshier:

- **Current occupation:** Postdoctoral Fellow Surgical Robotics Centre (SRC)
Department of Surgery McGill University.
- **Years he was involved in the GSC:** He was a member of MIAE GSC for five years, I he worked with us as mentor for 2017-2021.
- **How the GSC helped him career:** GSC helped me develop my social skills and gave me networking opportunities. I helped several PhD students as a mentor.





Ahmad Sorhrabi Kashani:

- **Current occupation:** Post-doctoral fellow in the microfluidic at Junker Lab, McGill, Montreal, Canada.
- **Years he was involved in the GSC:** He was a member of MIAE GSC committee for more than one year, and collaborating with MIAE GSC as a mentor for 2019-2020.
- **How the GSC helped him career:** Being a member of GSC allowed me to practice and utilize my skills to arrange and organize meetings, events etc. in an academic and professional setting.





Mahsa Moghaddasi:

- **Current occupation:** Post-doctoral fellow at University of de Montreal
- **Years she was involved in the GSC:** She was a member of MIAE GSC for three years, Collaborating with MIAE as mentor for 2018-2020.
- **How the GSC helped him career:** Getting involved in the GSC as the a Mentor strengthened my leadership skills and extended my professional network



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- We are looking forward to hearing from you by **signing up** in the website for the mentorship program.
- We are always there to help you as far as we can.
- Please leave us your email and feedbacks.

