

Ameer M. S. Abdelhadi, Assistant Professor Dept. of Electrical & Computer Engineering McMaster University, Hamilton, ON, L8S 4K1 <u>ameer@mcmaster.ca</u>; +1(905)525-9140 x 26008 <u>https://www.ece.mcmaster.ca/faculty/ameer/</u>

## Fully Funded PhD Opportunity in Custom Computer Architecture with Applications in Machine Learning and Neurotechnology at HADILAB, McMaster University, Canada

The Hardware Accelerated Design and Integration Laboratory (HADILAB) at McMaster University is recruiting a fully funded PhD student to join the lab, with a start date in September 2025. At HADILAB, we work on exciting topics in custom computer architecture, hardware acceleration, and reconfigurable computing, with applications in machine learning, neurotechnology, and drug discovery. We prototype our innovations on reconfigurable devices and fabricate silicon microchips.

We are seeking creative and motivated students with an outstanding academic record and strong skills in computer architecture and digital hardware design. While having a master's degree is highly advantageous, exceptional candidates without one will still be considered for the direct PhD program. Industrial experience and publications are a plus.

Interested candidates should send their CV, transcripts, and examples of scholarly writing (such as publications, abstracts, paper drafts, or graduation projects) to the lab director, Dr. Ameer Abdelhadi, through his email: <u>ameer@mcmaster.ca</u> prior to submitting their formal application to accelerate the selection process. Applications will be reviewed once they are received, on an ongoing basis, until the position is filled.

Please forward this post to prospective candidates who might be interested.

#### Ameer M. S. Abdelhadi, PhD

Assistant Professor, Department of Electrical and Computer Engineering Director, Hardware Accelerated Design and Integration (HADI) Lab

McMaster University, 1280 Main St. West, Hamilton, ON L8S 4L8 Information Technology Building (ITB), Office: A322, Lab: A301 ameer@mcmaster.ca <a>+1(905)525-9140 x 26008</a> https://www.ece.mcmaster.ca/faculty/ameer/





Ameer M. S. Abdelhadi, Assistant Professor Dept. of Electrical & Computer Engineering McMaster University, Hamilton, ON, L8S 4K1 <u>ameer@mcmaster.ca</u>; +1(905)525-9140 x 26008 <u>https://www.ece.mcmaster.ca/faculty/ameer/</u>

### About McMaster University

Ranked among the top engineering schools in Canada and worldwide, McMaster Engineering has a long history of excellence in cutting edge research, student-focused education, innovative programs, leading faculty, and achieving students. We integrate experiential learning into every facet of the student journey, offer Canada's largest undergraduate research program, vibrant co-op opportunities, and much more. With 200 faculty members, about 7,500 undergraduate and 1,250 graduate students, we are a world class centre for academic excellence and innovation.

Founded in 1887, McMaster University is one of only four Canadian universities ranked among the top 80 in the world by the Times Higher Education World University Rankings for 2022 and is home to more than 70 research centres and institutes. Named Canada's most research-intensive university in 2017, 2018, 2019 and 2020 by Research Infosource, McMaster is dedicated to teaching, learning and service. With a student population of more to 36,000, McMaster welcomes students from 120 countries as well as Canada.

McMaster University is located on the traditional territories of the Haudenosaunee and Mississauga Nations and, within the lands protected by the "Dish with One Spoon" wampum agreement.

### More information for future graduate students can be found here

https://www.eng.mcmaster.ca/future-students/future-graduate-students https://gs.mcmaster.ca/future-students/

# Further details on graduate programs in the Department of Electrical and Computer Engineering are available at

https://www.eng.mcmaster.ca/ece/programs/degree-options/phd/doctor-philosophy https://www.eng.mcmaster.ca/ece/programs/degree-options/masc/master-applied-science

The formal application process is described at https://gs.mcmaster.ca/how-to-apply/ https://gs.mcmaster.ca/how-to-apply/prepare-your-application/

#PhD #Masters #McMaster #Ontario #Canada #ComputerEngineering #ComputerArchitecture #FPGA #ASIC #MachineLearning #Neurotechnology

