

M.Sc. in Agriculture or Ph.D. in Engineering
Graduate Student Assistantship

Bio-systems Automation & Robotics

Supervisor: Dr. Young K. Chang, Department of Engineering, Faculty of Agriculture, Dalhousie University

Location: Truro, Nova Scotia, Canada

Project:

Weed detection algorithm development using Aerial and Ground-based RGB/Multi-spectral/3D Imagery and Machine Learning/Deep Learning Technique.

Qualifications: Applicants must have experience in computer programming, imaging processing, modeling, and/or mathematical analysis. Undergraduate with a minimum GPA of 3.5/4.3 or graduate degree in engineering or science is required. Knowledge in machine design, modeling, and precision agriculture is desirable. Experience in use of agricultural machinery, machine learning, deep learning, machine vision and/or instruments, and a valid driver's license would be considered a great asset. Knowledge of Machine Learning and/or Use of Aerial and Ground-based Multispectral Imagery would be a strong asset. Strong written and oral communication skills are important.

Starting Date: Open

Stipend: Maximum \$27,500 to Minimum \$21,500 per year with scholarship matching for two years. Qualified individual will have the opportunity to apply for an NSERC-IPS (<http://www.nserc.gc.ca>) postgraduate fellowship, NSGS scholarship, and/or etc.

To Apply: For admissions information and application, refer to the following website:

<http://www.dal.ca/faculty/agriculture/programs/graduate-studies.html>

Send supplementary application materials, e.g., CV, letter of intent and transcripts (also application and references if not applying online) directly to: Graduate Secretary, Dalhousie University, Faculty of Agriculture, 62 Cumming Drive, Truro, NS B2N 5E3, CANADA.
e-mail: gradadmissions.agr@dal.ca

For further information about the research project, please visit web site (<https://www.dal.ca/faculty/agriculture/engineering/faculty-staff/our-faculty/young-ki-chang.html>) and contact Dr. Young Chang (youngchang@dal.ca)