

# Master's and PhD Positions in HCI, Specializing in Animal-Computer Interaction in Animal Farming Contexts

The Collaborative Interactions Lab in the School of Computer Science at the University of Guelph is seeking talented and motivated students to join a new research program on **“Animal-Computer Interaction in Animal Farming Contexts”**. Students will apply traditional human-computer interaction (HCI) and interaction design methodologies to develop and study technologies to improve animal welfare in animal farming contexts. This research will primarily focus on large-animal contexts including cattle, sheep, pigs, and horses, but may also address animal welfare concerns of other farm animals given opportunities. The University of Guelph has a long tradition of agricultural sciences and veterinarian education. The campus has a working farm, with a wide range of farm animals on site for clinical and educational purposes. The university also has a strong group of internationally recognized animal sciences and animal behavioural researchers that Computer Science researchers will work with to develop appropriate new technologies.

## Candidate Qualifications

A successful graduate candidate has:

- For Master's candidates: a 4-year bachelor degree in computer science, or equivalent. Master's students complete a Master's of Computer Science degree, which is a 2-year program.
- For PhD candidates: a Master's degree in human-computer interaction, computer science, systems/computer engineering, human-centred design/engineering, or a related field. PhD students complete a PhD in Computational Sciences, which is a 3-4 year interdisciplinary degree program.
- Experience (or strong interest in) in the areas of software development, Internet of Things, and/or HCI research
- Proficient oral and written communications skills.
- Collaborates well in a team environment.
- High motivation for research at the intersection of user-centred design, social sciences, and animal welfare

Possible start dates are May 2018, September 2018, or later.

If you meet the above requirements and are interested in these positions, please contact [Prof. Stacey Scott](#) with your CV, unofficial transcripts, a research statement, and TOEFL/IELTS score (for international students). **Please include “ACI graduate position” in your subject line.**

Applications will be considered until the positions are filled. Full funding will be offered to qualified applicants; funding comprises a combination of teaching assistantships and graduate research assistantships.

For further details on how to apply and application requirements:

- Academic and Application Requirements (includes information for International Applicants)

<https://www.uoguelph.ca/computing/graduates/graduate-admissions>

- Cost of Tuition and Living

<https://www.uoguelph.ca/graduatestudies/future/cost>

- Why Choose the University of Guelph for Graduate Studies?

<https://www.uoguelph.ca/graduatestudies/future/whyguelph>

- Living at Guelph

<https://www.uoguelph.ca/graduatestudies/about/life-guelph>

## Information about Guelph, Ontario, Canada

Located in the heart of Southwestern Ontario (100km west of Toronto), the [City of Guelph](#) offers the perfect setting to complement your graduate studies. Commonly ranked as one of the best places to live in Canada, Guelph prides itself on maintaining its small-town charm while providing urban amenities for families and single adults alike. The City of Guelph provides a perfect balance of academics and community. With a population of just over 121,000 people, Guelph is a vibrant community and home to a lively downtown core, a thriving cultural community, diverse recreational activities, numerous shopping facilities and a variety of special events.

**Contact:** Prof Stacey D. Scott, Associate Professor, School of Computer Science, University of Guelph

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