

## Ph.D. Position in Control, Automation, and Mechatronics Kent State University

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Posted May 15, 2024, set to expire Sep. 14, 2024

<b>Job Title</b>	Ph.D. Position in Control, Automation, and Mechatronics
<b>Department</b>	College of Aeronautics and Engineering
<b>Institution</b>	Kent State University Kent, Ohio
<b>Date Posted</b>	May 15, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Mechatronics Mechanical Engineering Electrical and/or Electronics Bioengineering (all Bio-related fields)
<b>Apply By Email</b>	<a href="mailto:hmiri@kent.edu">hmiri@kent.edu</a>

### Job Description

An immediate, fully-funded Ph.D. position is available in [the Control, Automation, and Mechatronics \(CAM\) lab](#) at Kent State University, Kent, OH, starting in Fall 2024 or Spring 2025.

The program is housed within the College of Aeronautics and Engineering and focuses on Mechatronics Engineering. Ideal candidates should have completed their master's degree and must possess a strong foundation in controls, system identification, and machine learning, along with proficient programming skills in Python and MATLAB.

Autonomous medical systems represent a transformative leap in healthcare, offering unprecedented precision and efficiency in patient care. Engineering plays a pivotal role in bridging the gap between cutting-edge technology and daily clinical practice, ensuring these

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innovations benefit both clinicians and patients.

[In this 5-year project](#), we will tackle critical challenges in modeling, control, and testing of autonomy to enable the seamless integration of automated systems into clinical environments. Our work aims to integrate insights from machine learning, control systems, probability modeling, and causal inference to develop innovative approaches in the field of autonomous medication dosing for critical care. Focusing on safe and interpretable autonomy, we strive to lay the groundwork for the next generation of medical technology.

Interested applicants are invited to submit a **cover letter, CV**, and **bachelor's and master's transcripts** to [hmiri@kent.edu](mailto:hmiri@kent.edu). Ensure your CV includes your test scores (TOEFL or IELTS), a list of publications, and references.

### Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

### Contact