MS/PhD Students
Tennessee Technological University

Job Title	MS/PhD Students
Department	Mechanical Engineering or Electrical and Computer Engineering
Institution	Tennessee Technological University Cookeville, Tennessee
Date Posted	Jul. 31, 2024
Application Deadline	Dec. 3, 2024
Position Start Date	Jan. 9, 2025
Job Categories	Graduate Student
Academic Field(s)	Robotics Mechatronics Mechanical Engineering Manufacturing & Quality Engineering Industrial & Systems Engineering Engineering Mechanics Electrical and/or Electronics Computer Engineering Engineering - Other
Job Website	https://sites.google.com/site/smandda/
Apply By Email	dkim@tntech.edu

Job Description

A Smart Manufacturing and Data Analytics Group (https://sites.google.com/site/smandda/ or https://scholar.google.com/citations?user=OJtZt_YAAAAJ&hl=en Tennessee Tech. Univ. is hiring

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graduate students for the Spring or Fall 2025 semester. Potential applicants (e.g., Spring 2026) can contact Dr. Duckbong Kim (dkim@tntech.edu) to discuss their interests and possibilities. Tuition, stipend for Direct PhD ($2000/month) and PhD ($2000-2200/month) student and travel for conferences will be financially supported.

Our research group focuses on smart manufacturing and data analytics, such as industrial automation and robotics, XR:AR/VR/MR, additive manufacturing (AM), computational modeling, machine learning, and decision support. Among these, we are currently focusing on four main specific topics: 1) XR-based Smart Manufacturing, 2) Machine Learning and Computational Modeling, 3) Collaborative Robot, 4) Machine Vision-based Digital Inspection Methodology (e.g., Cognex, PLC, and NI), and 5) Materials Characterization. For detail information, please visit the web-site of Smart Manufacturing and Data Analytics Group.

Required background & knowledge: mechatronics, industrial automation and robotics, machine vision, numerical modeling, PLC, and programming (e.g., C++, Unity, and Python). Applicants should hold a baccalaureate or a master degree in a field of mechanical engineering, electrical engineering, computer science, industrial engineering or related-areas. Applicants may have earned a minimum of
- GPA: 3.0 on a 4.0 GPA scale (3.4 or the above preferred).
- GRE: Quantitative greater than 50%; Verbal greater than 33%; Writing greater than 33%
- TOEFL: 213 computer-based or 79 internet-based or can be replaced with TOEIC score.

If you are interested in this study opportunity, please send your C.V. to Dr. Duckbong Kim (dkim@tntech.edu). We are looking forward to seeing highly motivated applicants for graduate study.

Contact Information

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

Contact

Tennessee Tech University

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Phone Number 3013723327