

MS/PhD Students  
Tennessee Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=242463>

Downloaded On: Nov. 24, 2024 12:10am

Posted Jul. 31, 2024, set to expire Nov. 30, 2024

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

A Smart Manufacturing and Data Analytics Group (<https://sites.google.com/site/smandda/> or [https://scholar.google.com/citations?user=OJtZt\\_YAAAAJ&hl=en](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](mailto: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](mailto: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