PhD Graduate Research Assistantships in Electrical and Computer Engineering

North Carolina A&T State University

Greensboro, NC

Graduate Research Assistantships for several Ph.D. positions with the Department of Electrical and Computer Engineering at North Carolina A&T State University are currently open. Students from all majors relevant to control systems, computer science or engineering and applied mathematics are encouraged to apply. The assistantships include a tuition waiver and a paid graduate research assistantship position. Preference will be given to candidates with strong and demonstrated backgrounds in at least one of the following topical areas: control theory, discrete mathematics and algorithms, transportation, and/or programming.

Current Openings for multiple PhD research positions for immediate hire include:
- ➢ Designing Secure and Privacy-preserving Protocols for Smart-Grid, Vehicular Ad hoc Networks and Autonomous Systems
- ➢ Control and Robotics in different aspects of control of multi-agent systems including but not limited to Modelling and Analysis, Motion Planning and Control of Multi-Robot Systems, Teaming and Cooperative Control, control of Autonomous Vehicles, and Unmanned Aircraft Systems (UAS) Traffic Management (UTM)

Required Qualifications and Skills:
- M.S. degree in electrical & computer engineering, mechanical engineering, aerospace engineering, mathematics, computer science, or a closely related field
- Excellent mathematical background preferably in differential equations, linear algebra, discrete mathematics, and heuristic algorithms
- Good programming skills
- Demonstrated experience in control and robotics.
- Strong English communication skills (written and oral)
- Ability and motivation to conduct independent research

Preferred Qualifications:
- Demonstrated programming experience and experience with embedded systems
- Proficiency in ROS, MATLAB/SIMULINK, Python, and C/C++
- Knowledge in various aspect of machine learning and Deep neural networks LSTM, GRU, CNN
- Record of publication in top academic conferences and journals is a plus

If Interested:
Please send an email, to the ACIT Program Manager sealexander@ncat.edu with brief statement of interest and resume. Be sure to include an email address. If your skills match our needs, we will contact you for a brief thirty-minute zoom interview. Only interested candidates will be considered and contacted who clearly demonstrate in their email correspondence how their background and research interests align with the position(s) available.