



Department of Electrical and Computer Engineering  
Graduate Research Assistant Position  
Radar Signal Processing  
Fall 2009

Seeking graduate research assistants to support the development of signal processing methods for the application of syntactic and statistical pattern recognition to the detection of landmines and improvised explosive devices in high range resolution (HRR) ground penetrating radar (GPR) signals and other targets in conventional radars. This is multi-year research funded by the Office of Naval Research (ONR).

**The duties of the GRA are:**

1. To process radar data in order to characterize new signal processing methodologies and produce receiver operating characteristic (ROC) data.
2. To assist in the development of new radar signal processing algorithms for target detection.

The student involved will work in the Department of Electrical and Computer Engineering in the School of Information Technology with Drs. Hintz and Peixoto.

**Requirements:**

PhD or MS graduate student in good standing in Electrical Engineering.

US Citizenship required.

Interest in signal processing, pattern recognition, and radars.

Strong programming (C, Matlab) and data analysis skills.

Must be self-motivated, have the ability to work both independently and with a team and possess strong written and verbal communications skills. For more information please contact:



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