

Postdoctoral Research Fellow position in the Center for Connected Assured Autonomy at Florida Atlantic University, Boca Raton.

The Center for Connected Assured Autonomy at Florida Atlantic University, Boca Raton, FL, is seeking candidates for a full-time postdoctoral research position. The position is concerned with the design, evaluation, and demonstration of software-defined programmable platforms with integrated localization and cognitive interference-avoiding networking functionalities. The platforms will enable connected robotic assets to autonomously operate in GPS-denied and communication-constrained environments. This is a one-year, full-time Postdoctoral Research Fellow position with the opportunity for extension to two or more years. The research work will cover one or more of the following areas.

- 1) Cognitive radio algorithms for interference-avoiding networking by optimization at multiple protocol layers (PHY, MAC, networking, and application.)
- 2) Localization and tracking in GPS-denied environments.
- 3) Machine learning and AI-assisted algorithms for wireless networking and multi-agent planning.

Applicants must hold or be about to receive a Ph.D. degree in Electrical Engineering, Computer Science, Computer Engineering or a related area. Excellent academic credentials and publication record and strong background in wireless networks & communications or machine learning and multiagent planning is expected. Expertise in software-defined radio FPGA programming is also desirable. The applicant should be highly motivated and able to perform critical thinking and analysis. Strong communication and teamwork skills are required.

Research in the Center has been supported by the National Science Foundation, the Air Force Research Laboratory and Industry. Interested candidates should contact via email the Director of the Center for Connected Assured Autonomy, Dr. Dimitris A. Pados (dpados@fau.edu) and include the following information (pdf attachments preferred).

- CV including complete list of publications
- Short research and career plans statement (maximum 2 pages)
- Names and email addresses of 3 or more references