



Clark Atlanta University Job Description

Position Title:	Staff Researcher/Research Associate
Employee:	Staff
Department:	Cyber-Physical Systems
Reports To:	Dept. Chair, Cyber Physical Systems

The following statements are intended to describe the general nature and level of work to be performed. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of personnel so classified.

General Function (Description):

The Department of Cyber-Physical Systems is seeking a Tenure Track faculty at the Assistant/Associate Professor level. Faculty are expected to contribute to teaching in Cyber-Physical Systems with emphasis on cybersecurity, artificial intelligence, and/or robotics; develop a scholarly program in these areas through the development of research proposals for extramural funding, and the execution of funded research projects; develop syllabi and curriculum; and mentor students at the graduate and undergraduate level. Preference will be given to candidates with a track record in teaching, research, and curriculum development.

Examples of Duties and Responsibilities:

- Develops new research proposals in the areas of Computer Science related to Cyber-Physical Systems, for funding
- Develop project proposals for existing projects in Cyber-Physical systems
 - Develop and deploy software systems to fulfill project requirements
 - Perform simulations and (statistical) analyses, including selecting the appropriate analysis procedure, setting up data for analysis, judging validity and reliability of data, designing and writing programs to perform analyses, and producing written reports on the result of the analyses.
 - Presentation of project results to internal and external parties. 6. Engaged in writing of technical publications and reports.
- Develop new curriculum and syllabi in the area of Cyber-Physical systems
- Provide instruction to students in areas of Cyber-Physical systems
- Provide students early research exposure, and mentoring
- Collaborate with other faculty members in developing curriculum, research proposals, and teaching.

Knowledge, Skills and Abilities

This individual will have deep knowledge and experience of Cyber-Physical systems, in areas such as Cybersecurity, Artificial Intelligence, and Robotics. Prior teaching and research experience would be a plus.

COMMUNICATIONS/INTERPERSONAL NEEDS:

Interpret and/or discuss information with others, which involves terminology or concepts not familiar to people outside this area of expertise and regularly provide advice and recommend actions. The selected candidate will be required to provide training seminars and presentations to a varied audience.

Minimum Hiring Standards:

Education	The minimum requirement is a terminal degree (Ph.D.) in Computer Science or a closely related area.
Years of Experience Required	None
Years of Management/Supervisor Experience	