Faculty Positions in College of Computing & Informatics
University of North Carolina at Charlotte

Job Title	Faculty Positions in College of Computing & Informatics
Department	College of Computing & Informatics
Institution	University of North Carolina at Charlotte
	Charlotte, North Carolina
Date Posted	Dec. 13, 2023
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor
	Associate Professor
	Professor
Academic Field(s)	Computer Science
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Job Description	

Faculty Positions in College of Computing & Informatics at UNC Charlotte

In response to the State of North Carolina's initiative to "engineer a smart and secure future", the College of Computing and Informatics (CCI) at the University of North Carolina at Charlotte invites applications for full-time tenure-track or tenured positions. The proposed research cluster is part of a $40M+ investment by the State of North Carolina and UNC Charlotte, which includes the design and construction of state-of-the-art facilities, acquisition of advanced equipment, and two dozen faculty positions to accompany expansion of undergraduate and graduate programs.

The College seeks the best candidates in all areas of Computing. It is particularly interested in

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candidates with foundational, use-inspired, or transdisciplinary research interests in:

1.
   *Cloud/Distributed Systems,*including reliable self-sustained large-scale systems, information management infrastructures and novel database architectures, and high- performance computing.

2.
   *Cyber-physicalsystems,*including robotics, computer vision, edge computing, human- AI collaboration, mobility, and the future of work, especially in the usage of AR/VR/XR

3.
   New Models of Computing and Algorithms, including photonic and quantum computing, analog neuromorphic computing, combinatorial algorithms, and continuous optimization.

4.
   Modern software systems, including agile development, auto-coding and code analytics, dependability, security, evolution and social aspects, and software supply chain management.

5.
   Humancenteredcomputing, UX, and social and behavioral aspects of computing in the age of AI.

6.
   *Security,privacy,resiliency,andintelligence*in future smart environments such as healthcare, manufacturing, energy and transportation systems.

Applicants must hold a Ph.D. degree in a computer science or computer engineering discipline or another closely related field and have a background aligning with one of the listed research foci. In addition, they must demonstrate significant accomplishments or outstanding potential in scholarship, teaching, and research, corresponding to the rank of appointment. Successful candidates are expected to: 1) develop and sustain nationally and internationally recognized, externally funded research programs as evidenced by high-quality publications, successful mentoring of students, innovation and entrepreneurship activities; 2) contribute to teaching and curriculum development at both the graduate and undergraduate levels and 3) participate in selected University initiatives.

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As an institution of over 30,000 students located in the state's largest metropolitan area, UNC Charlotte is North Carolina's urban research university. The College is home to over 4,791students in B.S., M.S., and Ph.D. programs. Current research and teaching strengths of 90+ faculty include AI and machine learning; security and privacy, robotics; visualization; cyber- physical systems; high-performance computing; human-centered computing and design, software systems, and CS education.

The College has a vibrant and innovative research program with an annual expenditure of more than $10M/year. The College is the driving force behind emerging Tech Hubs in Charlotte, which create entrepreneurial opportunities for faculty and students. In Dec. 2022, the College ranked 39th in the latest NSF Higher Education Research and Development (HERD) list. Nine faculty members are NSF Career awardees, one is a AAAI Feigenbaum Awardee, and eight were ranked among the top two-percent of scientists in the world based on the study conducted and published in 2021. The CCI faculty research and programs rank high in almost every metric (Visualization top 30, parallel and high-performance computing top 40, Robotics top 45, etc.) By design, the College's research is driven by a balance between an unbounded curiosity for fundamental questions and an urgent sense of mission to affect the important issues we face as a society. Cross disciplinary research and innovation are highly encouraged.

For full consideration, please submit an online application/pro?le at:
https://jobs.charlotte.edu/postings/53762

These positions will remain open until ?lled.

As an EOE/AA employer and an ADVANCE Institution that strives to create an academic climatein whichthedignityofallindividualsisrespectedandmaintained,theUniversityofNorth CarolinaatCharlotte encouragesapplicationsfromallunderrepresentedgroups.All?nalistsare subject to criminal background checks.

Contact Information

Please reference Academickeys in your cover letter when
applying for or inquiring about this job announcement.

Contact

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