



**DEPARTMENT OF  
COMPUTER SCIENCE  
& ELECTRICAL ENGINEERING**

**U.S. News and World Reports (2022) Ranks UMBC:  
#9 for Undergraduate Teaching  
#10 for Innovation among National Universities  
UMBC is a Carnegie R1 institution.**

**UMBC CSEE is a growing institution. Meet some of our newest faculty members!**



Rebecca Williams  
Assistant Professor  
Computer Vision,  
Data Visualization



Manas Gaur  
Assistant Professor  
Natural Language  
Processing, AI



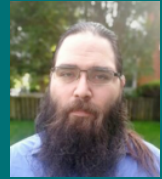
Ergun Simsek  
Assistant Professor, GPD  
Electromagnetics,  
Photonics, Data science



Masoud Soroush  
Lecturer,  
Associate GPD  
Machine Learning



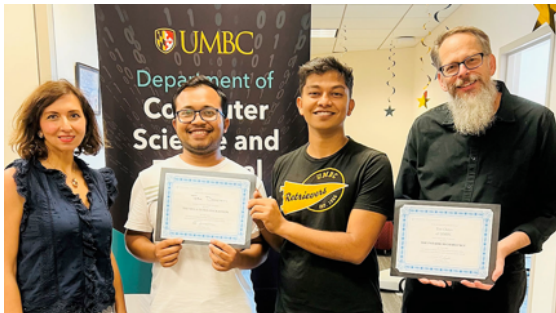
Muhammad Ali Yousuf  
Lecturer,  
Associate GPD  
ML, AI in Healthcare



Nick Allgood  
Lecturer  
Quantum  
Computing

**CSEE Highlights**

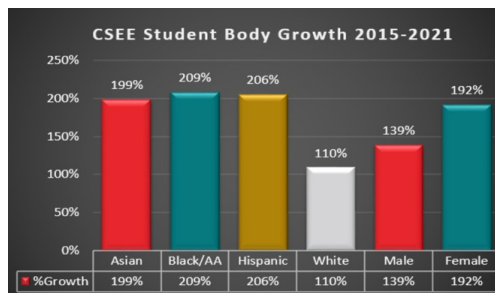
- The Center for Space Sciences and Technology, directed by Prof. Don Engel, was selected to receive over \$63 million in NASA renewal of CRESST II space science consortium.
- Prof. Anupam Joshi was selected by the American Council on Education for the ACE Fellows Program, a customized learning experience that enables participants to immerse themselves in the study and practice of leadership.
- Prof. Cynthia Matuszek won a 5-year CAREER award for research on improving the ability of robots to interact with people in everyday environments equitably across different user populations.
- Prof. Mohamed Younis was elevated to the rank of IEEE (Institute of Electrical and Electronics Engineers) fellow.
- CSEE has partnered with AI4All to offer free online Discover AI class introducing AI technology to selected UMBC undergraduates without a traditional computer science background, creating pathways for entry into this demand area.



*Professor Tinoosh Mohsenin, Khondoker Hossain, Prakhar Dixit, and Professor Tim Oates win human-machine teaming events at the Hackathon sponsored by the Army Research Lab and Columbia University.*

**CSEE Numbers at a Glance, 2022**

- Enrollment: 2,302 Undergraduates, 1,256 Graduates
- Degrees Granted: 360 Bachelors, 52 Masters, 20 Ph.D. Graduates
- Faculty: 38 Tenured and Tenure Track, 92 Teaching, 6 Research; 9 Fellows of professional societies; 14 (current or past faculty) CAREER awardees



The UMBC CSEE student body is not only growing, but also growing more diverse, reflecting our commitment to inclusion.

**Highlighting CSEE Student Accomplishments**



Undergraduate Joshua Slaughter wins the prestigious Marshall Scholarship. His Ph.D. work will be on the study of equity in personalized medicine at the University of Edinburgh.

**NSF Report: UMBC is the #1 baccalaureate institution for African American undergrads who earn Ph.D.s in the natural sciences and engineering, as well as doctorates in the life sciences, mathematics, and computer science.**