



DEPARTMENT NEWS



36
FACULTY
MEMBERS



1600+
STUDENTS



9
PROGRAMS
OFFERED

TOP 20
ONLINE MASTER'S IN
COMPUTER INFORMATION
TECHNOLOGY FOR VETERANS
by U.S. News and World Report

NEW PROGRAM
M.P.S. IN SOFTWARE
ENGINEERING

NEW FACULTY



Tera Reynolds
Assistant Professor



Yaxing Yao
Assistant Professor



Michael Brown
Professor of Practice



Mohammad Samarah
Professor of Practice
Graduate Program Director,
MPS in Software Engineering

NSF CAREER AWARDS



James Foulds, Ph.D.
Fair Artificial Intelligence for Intelligent Humans:
Removing the Barriers to
Deployment of Fair AI Technologies



Jianwu Wang, Ph.D.
Big Data Climate Causality Analytics

MAJOR RESEARCH FUNDING



PI: Aryya Gangopadhyay, Ph.D.
Co-PI: Nirmalya Roy, Ph.D.
Center for Real-time Distributed Sensing and Autonomy
Source: U.S. Army Research Laboratory
Funding: \$20 Million



PI: Maryam Rahnemoonfar, Ph.D.
Co-PIs: Jianwu Wang, Shashi Shekhar (UMN),
Mathieu Morlighem (Dartmouth), Jan Lenaerts (UColorado-Boulder)
iHARP- Harnessing Data and Model Revolution in the Polar Regions
Source: National Science Foundation (NSF)
Funding: \$13 Million

FACULTY HIGHLIGHTS

- Five NSF CAREER Awardees: Jianwu Wang, Ph.D, James Foulds, Ph.D., Helena Mentis, Ph.D., Nirmalya Roy, Ph.D., Carolyn Seaman, Ph.D.
- Lujie Karen Chen, Ph.D., and collaborator received award from University of Maryland, Baltimore, Institute for Clinical & Translational Research to investigate in-the-moment stress management among healthcare workers.
- Md Osman Gani, Ph.D., awarded NIDILRR on Accessible Routing using Crowd-Sensed Surface Classification for Wheelchair Users.
- Helena Mentis, Ph.D., received Fulbright Scholar Award.
- Two NSF REU grants led by IS faculty-Nirmalya Roy, Ph.D. (along with CSEE), on Smart Computing & Communications and Jianwu Wang, Ph.D. (along with Math and Stat), on Big Data.
- Multiple faculty members received entrepreneurial grant funding from Maryland Innovation Initiative (Drs. Karabatis, Chen and Koru).
- UMBC Data Science Scholars program launched by Vandana Janeja, PhD, to support peer mentoring and advancing undergraduate data science research.

STUDENT HIGHLIGHTS

- IS and HCC programs awarded 12 doctoral degrees.
- IS undergraduate Yvann Tientcheu '21 and colleagues earned first place in the UMBC Idea Competition held by the Alex Brown Center for Entrepreneurship for their app highlighting the relationship between mental health and physical activity.
- IS M.S. students Kirubel Tolosa and Pradeep Margasahayam Prakash win USM COVID-19 app challenge.
- Jordan Troutman '21, advised by James Foulds, PhD, recipient of the prestigious Barry Goldwater Fellowship and the NSF Graduate Research Fellowship, will pursue a PhD in algorithmic fairness at Stanford as UMBC's first Knight-Hennessy Scholar.
- HackUMBC, organized by IS undergraduate and HackUMBC President, Anuhya Challagundla '2, held virtually for the first time, attracted companies and 1000+ student participants from around the country. 2700+ viewers tuned in for the livestreamed event.