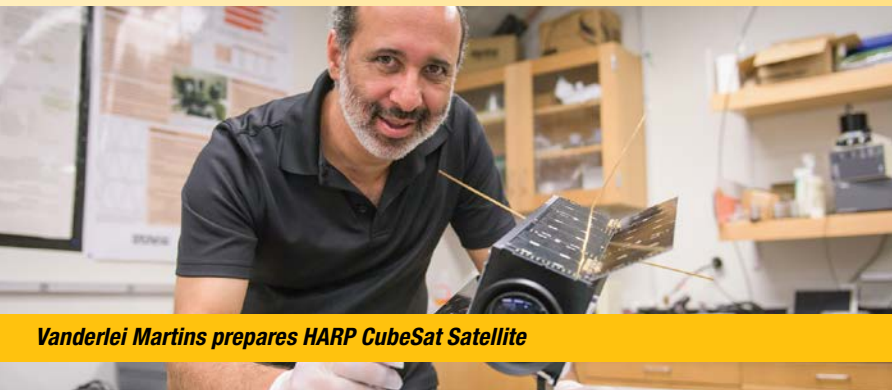


Inclusive Excellence



Vanderlei Martins prepares HARP CubeSat Satellite



UMBC's GRIT-X Series: Global. Research. Innovation. Trends. Excellence.



Interdisciplinary Life Sciences Building opens in 2019

FAST FACTS

- The Carnegie Foundation classifies UMBC as a Doctoral University with Higher Research Activity
- Extramural Research Awards in FY 2017 – \$98 Million
- Research Expenditures in FY 2017 – \$78 Million
- Full-time Faculty – 533
- Student Enrollment in Fall 2017 – 13,662 (including 2,428 graduate students)
- Average Freshman GPA – 3.82
- 59 Majors, 40 Minors, and 23 Certificate Programs
- 24 Ph.D. Programs, 39 Masters Programs, and 24 Graduate Certificates

ECONOMIC DEVELOPMENT

- UMBC's Research & Technology Park – bwtech@UMBC – is home to three startups each named a 2017 Maryland Incubator Company of the Year, and comprises 525,000 square feet, houses over 135 tenants providing 1,600 jobs, and operates three incubators – for cybersecurity, life sciences, and clean tech.
- UMBC's Express License Agreement reduces the burden for faculty to start a company.
- UMBC's Technology Catalyst Fund provides early-stage support to advance innovations from faculty research.
- UMBC faculty are highly successful contributors to TEDCO's Maryland Innovation Initiative (MII) – 27 projects awarded and 8 companies founded since 2013.

Innovation That Matters



Susan Ostrand-Rosenberg explores immune system and cancer



bwtech@UMBC's Ellen Hemmerly promotes economic development in Maryland



Jan Merka, Jane Turner, and Belay Demoz direct UMBC's Cooperative Research Centers with NASA Goddard Space Flight Center.

COLLABORATIVE RESEARCH CULTURE

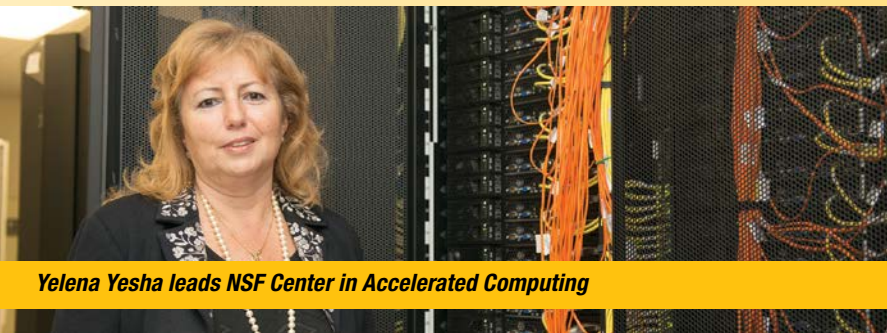
- Vibrant, interdisciplinary, and collaborative, with a national reputation for integrating undergraduates in mentored research.
- Well aligned with regional and national priorities.
 - Environment, Health, National Security, and Education.
- Our most successful and impactful research efforts are often based on collaborations – across the campus, with other academic institutions, and with external partners.

UMBC

research.umbc.edu

UMBC

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Yelena Yesha leads NSF Center in Accelerated Computing

NATIONAL RECOGNITION

- UMBC is ranked #7 among the Nation's "Most Innovative Schools," according to the 2018 Best Colleges Guide by *U.S. News & World Report*, joining Arizona State, Stanford, MIT, Harvard, and Duke in the Top Ten.
- UMBC is ranked #13 among National Schools providing the "Best Undergraduate Teaching," according to the 2018 Best Colleges Guide by *U.S. News & World Report*, joining Princeton, Yale, and Berkeley in the Top 20.



UMBC-UMB Partnership Grants build Research Collaborations

KEY RESEARCH THEMES

Computer Information Sciences & Engineering

- Cybersecurity
- Health IT
- Cognitive Computing & Analytics
- Big Data

Environmental Sciences & Engineering

- Atmospheric Physics & Remote Sensing
- Ecology & Remediation

Life Sciences & Biotechnology

- Bio Sciences & Engineering
- Marine Biotechnology

Social Sciences

- Health Equity
- Policy Studies

Arts & Humanities

- Public Humanities & Arts
- Intercultural Communications



Lee Blaney receives 2017 NSF CAREER Award

MEANINGFUL PARTNERSHIPS

UMBC/NASA Partnership

- Three major Cooperative Agreements with NASA Goddard Space Flight Center
- Ranked among Top 20 U.S. Universities in NASA funding

UMBC/UMB Partnership

- Joint Degree Programs
 - Graduate Program in Biochemistry & Molecular Biology
 - Ph.D. Programs in Gerontology and in Biostatistics
 - Dual-Campus School of Social Work
- Research & Innovation Partnership Seed Program
- Shared Research Facilities

UMBC/MITRE Partnership

- Academic Partner Institution on NIST National Cybersecurity Center of Excellence FFRDC

UMBC/Downtown Baltimore Partnership

- Institute for Marine & Environmental Technology (IMET)
- 2015 Imagining America National Conference
- 2016 and 2017 Light City Baltimore

HONORS & AWARDS

National and International Recognition

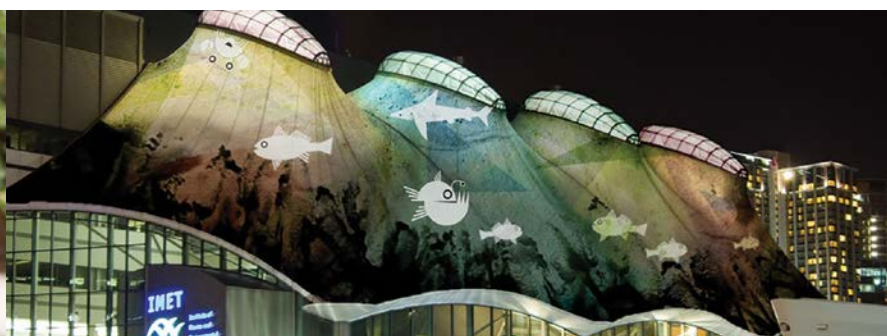
- UMBC Faculty have received 34 NSF CAREER Awards since 1995 – including three in 2017: to Tinoosh Mohsenin and Ting Zhu in Computer Science & Electrical Engineering (CSEE), and to Lee Blaney in Chemical, Biochemical & Environmental Engineering (CBEE).
- 2017 Connected World Pioneer Award – Govind Rao, Center for Advanced Sensor Technology (CAST)
- 2017 Guggenheim Fellowship – Deborah Rudacille, English
- 2016 National Academy of Sciences Member – Michael Summers, Chemistry & Biochemistry
- 2016 Berlin Prize Fellowship – Kate Brown and Rebecca Boehling, History
- 2016 EUI Fernand Braudel Senior Fellowship – Marjoleine Kars and Kate Brown, History
- Alexander von Humboldt Research Awards – Michael Nance, Philosophy in 2016 and Curtis Menyuk, CSEE in 2015.

COMMUNITY ENGAGEMENT

- UMBC is located just 15 minutes from Baltimore's Inner Harbor and 30 minutes from Washington, D.C.
- UMBC is a dynamic public research university integrating teaching, research, and service to benefit the citizens of Maryland.
- UMBC emphasizes science, engineering, information technology, human services, and public policy at the graduate level.



Gloria Chuku receives international award for scholarship in Africana Studies



Light City Installation on IMET Building at Baltimore's Inner Harbor