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IBM-UMBC DAY

APRIL 6, 2018

IBM. UMBC

EVENT PROGRAM



Welcome to **IBM-UMBC DAY** Friday, April 6, 2018

On behalf of UMBC's leadership, faculty, staff, and students, we welcome you to UMBC.

We are delighted to host this unique event—made possible by our longstanding partnership and extensive research collaborations with IBM.

The partnership between UMBC and IBM began decades ago. This partnership initially focused on high-performance and cloud computing, and recently expanded to include artificial intelligence and cybersecurity. Today's talks will give us new areas to explore in the fields of blockchain, quantum computing, Internet of Things, and cyber-physical systems.

Two years ago, President Hrabowski and Dr. John Kelly, IBM Senior Vice President, agreed on a multi-year collaboration between UMBC and IBM Research. This agreement established the Accelerated Cognitive Cybersecurity Lab (ACCL) with three years of research funding along with the gift of the latest high-performance computing equipment to support the ACCL's research. As part of this agreement, UMBC was also selected as an IBM Investment University for recruiting.

We thank you for attending the inaugural IBM-UMBC Day. We hope today's talks will inspire, strengthen and expand research collaborations between UMBC, IBM and our shared partners.

Sincerely,

Dr. Keith J. Bowman
Dean, College of Engineering
and Information Technology

Dr. Karl V. Steiner
Vice President for Research

AGENDA

All technical talks will take place in the Concert Hall (PAHB 235).

9 - 9:30 a.m. Welcoming Remarks

Keith Bowman, Dean, College of Engineering & Information Technology, UMBC
Dave McQueeney, IBM VP of Corporate Technology and Community and Global University Programs
Anupam Joshi, Chair and Professor, Computer Science & Electrical Engineering, UMBC
Yelena Yesha, Distinguished Professor, Computer Science & Electrical Engineering, UMBC
Andy Rindos, IBM Head, RTP Center for Advanced Studies

9:30 - 10 a.m. Keynote Address: Law, Technology and Public Policy

Michelle Browdy, IBM Senior Vice President of Legal

10 - 10:45 a.m. Quantum Computing

Andrew Wack, IBM Q Platform Software Architect, Quantum
Samuel Lomonaco, Professor, Computer Science & Electrical Engineering, UMBC
Todd Pittman, Professor and Graduate Program Director, Physics, UMBC

10:45 - 11:25 a.m. Cybersecurity

Jeff Crume, IBM Distinguished Engineer, IT Security
Anupam Joshi, Chair and Professor, Computer Science & Electrical Engineering, UMBC

11:30 a.m. - 1 p.m. Lunch and Networking Break

- Lunch for Faculty, Staff, and Guests (PAHB 102)
- Lunch for Students (PAHB 229)
- Student Research Posters (Lobbies & Atrium)
- IBM Technical Demos (PAHB 105)
- IBM Career Coaching & Information (PAHB 123/124)

1 - 1:50 p.m. Watson and Cloud

Mac Devine, IBM Fellow and VP of IBM Watson and Cloud Platform
Yelena Yesha, Distinguished Professor, Computer Science & Electrical Engineering, UMBC
Tim Finin, Professor, Computer Science & Electrical Engineering, UMBC

1:50 - 2:30 p.m. Internet of Things/Cyber-Physical Systems

Tim Hahn, IBM Distinguished Engineer, IoT
Nilanjan Banerjee, Associate Professor, Computer Science & Electrical Engineering, UMBC

2:30 - 2:55 p.m. Blockchain

Roman Vaculin, IBM Research, Blockchain

2:55 - 3 p.m. Closing Remarks

Keith Bowman, Dean, College of Engineering & Information Technology, UMBC

All speaker bios can be found on the event website at coeit.umbc.edu/ibm-umbc-day