



**BOARD OF REGENTS  
COMMITTEE ON ECONOMIC DEVELOPMENT  
AND TECHNOLOGY COMMERCIALIZATION**

Minutes of the Public Session  
January 30, 2014  
Towson University

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The Committee on Economic Development and Technology Commercialization of the University System of Maryland (USM) Board of Regents met in public session on Thursday, January 30, 2014, in Room 304 of the University Union Building at Towson University.

Chairman Attman called the meeting to order at 12:49 p.m. The regents in attendance were Mr. Attman, Mr. Gossett, Mr. Kelly, Mr. McMillen, Mr. Rauch, Ms. Turner, and Dr. Vance (by phone). Also present at the meeting were Chancellor Kirwan, Mr. Vivona, Mr. Balakrishnan, Dr. Boughman, Mr. Darmody, Ms. Doyle, Ms. Moultrie, and Assistant Attorney General Bainbridge. Guests present included Ms. Brasington, Mr. Drake, Ms. Gonzalez, Ms. Hemmerly, Mr. Hughes, Dr. Katz, Ms. Kropp, Mr. Lurie, Ms. Reynolds, Dr. Steiner, and Dr. Varma.

Regent Attman opened the meeting by highlighting some the cyber security strengths of the USM and the State. Maryland is home to the National Security Agency, U.S. Cyber Command, the Intelligence Advanced Research Projects Activity, the National Institute of Standards and Technology and Defense Information Systems Agency Headquarters. Member USM institutions offer a broad range of cyber security academic programs, including 53 separate bachelor's degrees, 32 master's degrees, 8 doctoral degrees and 13 related undergraduate and post-baccalaureate certificates. In addition, five USM institutions have been designated as Centers of Academic Excellence or Research Excellence in Information Assurance by the National Security Agency and the Department of Homeland Security.

1. USM Cyber Security Landscape and Contributions to the State (Information Item)

Dr. Jonathan Katz, Director of the Maryland Cybersecurity Center and Professor of Computer Science, discussed the USM's cyber security assets and contributions to the State. In the 2013 Cyber Security Jobs Report, Maryland was cited as first in the nation for cyber security related jobs. In addition, 56% of companies nationwide reported a workforce shortage and growing demand for cyber security skills. Dr. Katz stated that the pipeline of jobs must focus early on middle/high school outreach as well as on undergraduate education, professional master's and doctoral programs. UMCP, UB and UMBC contribute to middle/high school outreach by offering Saturday cybersecurity awareness workshops and summer camps and providing a bit-n-bytes program for high school girls. UB received a \$150,000

education grant from DHS for a high school Integrated Cybersecurity Education Communities program. Five of the USM institutions are designated as NSA Centers of Academic or Research Excellence, including Bowie State University, Towson University, UMBC, UMCP, and UMUC. Notably, UMCP offers a Master's in Engineering in Cyber Security; UMBC's Master's in Professional Studies program in Cyber Security is now expanding to the Universities at Shady Grove; Bowie State University offers a Master's in MIS with a Cyber Security concentration; UMUC's Graduate School provides a wide-range of programs, including M.S. programs in cybersecurity, cybersecurity policy, and digital forensics; and Towson University's M.S. in Computer Science - Computer Security provides a solid scientific and technical foundation for pursuing either doctoral work or advanced positions in business, industry and government.

The Maryland Cyber Security Center (MC2) at UMCP has numerous corporate partners, including Google and Northrop Grumman and provides workshops and events with industry speakers. UMBC has established a cybersecurity incubator (bwtech@UMBC) that provides business and technical support to early-stage companies in the cybersecurity field. To date, 50 companies that were tenants in the incubator have grossed \$200 million in annual sales. The USM institutions have also received significant research grant awards, amounting to approximately \$75 million. UMCP, in particular, has received about 60 research grant awards since 2010 and is a leader in this area.

## 2. Featured Cyber Security Start-Up – Light Point Security (Information Item)

Ms. Zuly Gonzalez, co-founder and COO of Light Point Security, presented highlights of the company, technology and investments received. Light Point Security offers products to protect corporations and organizations against malicious software and viruses through an innovative technology solution that isolates web content. Light Point Security is a tenant at UMBC's bwtech@UMBC and has received significant assistance from the cyber security incubator, including participation in Northrop Grumman's Cync program. The program builds on bwtech@UMBC's successful business incubation framework by offering assistance to companies with the most promising cybersecurity ideas.

Light Point Security has received numerous recognitions, including the Top 10 Most Innovative Company by RSA Conference, the Top 5 Startups of the Year from the Wall Street Journal, Most Innovative Startup Company by NVTC, Cybersecurity Company of the Year by HTC. In addition, Light Point Security was a VOLT Fund recipient in the amount of \$250,000.

## 3. Maryland E-Nnovation Initiative – Endowed Scholars Fund (Information Item)

Mr. Brian Darmody, Associate Vice President for Corporate and Foundation Relations at UMCP, discussed the Maryland E-Nnovation Initiative, Senate Bill 601 sponsored by Senator Miller. The Maryland E-Nnovation Initiative will allow for the

auctioning of varied credits to the private sector to match higher education funding to attract the best talent to USM institutions. The purpose of the initiative is to create globally recognized research and development programs that maximize state and federal assets and result in significant private sector investment, opportunities and jobs. With matching State funds, USM universities will seek private sector funds to co-fund endowed chairs in targeted areas of science and technology research. In addition, the program would strengthen linkages between Maryland universities, federal labs, and industry and create Maryland jobs in industries of the future.

#### 4. RISE Zones – Reduced Tax Zones Program (Information Item)

Mr. Brian Darmody discussed the RISE (Regional Institution Strategic Enterprise) Zones program, Senate Bill 600 sponsored by Senator Pugh. Its purpose is to strengthen ties between key State, federal, and higher education institutions and their surrounding communities to ultimately foster increased economic development and neighborhood revitalization. The legislation will utilize enhanced property and income tax credits and accelerated depreciation schedules to spur significant financial investments in designated "RISE Zones".

Suresh Balakrishnan will forward a copy of Senate Bills 600 and 601 to the Committee once the text of the bills are available.

Regent Attman made a motion to adjourn. The motion was seconded by Regent McMillen and unanimously approved. The public session was adjourned at 1:55 p.m.

Respectfully submitted,

Gary L. Attman, Chair  
Committee on Economic Development  
and Technology Commercialization