NBDPA Local Chapter Edition

bdpatoday

SPECIAL EDITION Annual Legislative Issue SEPTEMBER 2014 | Volume 39.09

Government Relations

#BDPA15 in FY15: Technology Caucuses & Special Interest Groups

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U.S. Army Recruiting Next-Generation Cyber Workforce

Mignon Clyburn, Commissioner,
Federal Communications Commission (FCC)

Alexandria, VA—During a visit to a local high school in northern Virginia, FCC Commissioner, Mignon Clyburn blogs about recent discoveries and offers insights into an exciting STEM model for tomorrow's workforce.

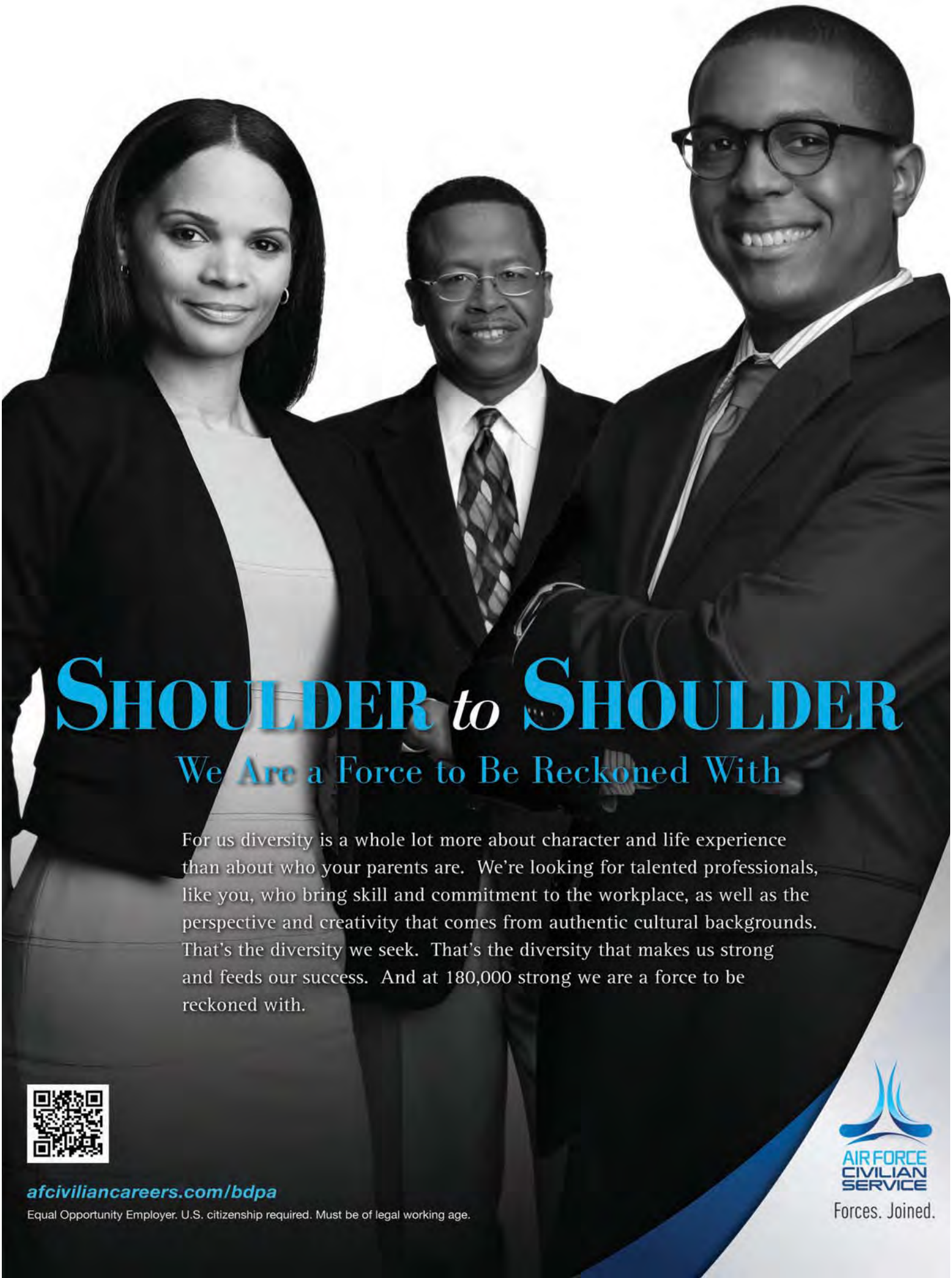
In her blog, "Innovation Afternoons" is promoted as an integral part of a program whereby dedicated teams of business leaders, entrepreneurs and educators continue to nurture pipelines of diverse future STEM leaders.

These community leaders also fund, launch and sustain "computer clubhouses" in partnership with local governments, businesses and nonprofits.

See *STEM* on *page 9*

Mignon Clyburn served as Acting Chairwoman of the Federal Communications Commission, following her appointment by President Barack Obama on May 20, 2013. She was nominated for her first term as Commissioner on June 25, 2009 and sworn-in on August 3, 2009. As Commissioner, she is serving a second term for which she was sworn in on February 19, 2013.

FCC Photo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itsmf | **INFORMATION TECHNOLOGY SENIOR MANAGEMENT FORUM**

Fostering the career growth
of African-American executives

ITSMF's mission is to increase the level of African-American representation at senior-levels of IT through executive leadership development programs, networking initiatives, formal mentoring and strategic partnerships.

In November of 2014, the Information Technology Senior Management Forum (ITSMF) will convene its fourth quarter (4Q14) IT Senior Management Symposium in Paradise Island, Bahamas.

Continue and accelerate your journey to the C-Suite while exploring timely and relevant topics critical to your professional development. Throughout the year members and corporate partners gather at Symposiums, networking events and conferences to build rewarding professional and personal relationships. Learn, share and network with other Technology executives in an atmosphere of trust, camaraderie and openness.

BDPA, formerly known as *Black Data Processing Associates*, was founded in 1975 to promote professional growth and technical development to those in or entering information and communications technology (ICT) career fields and related industries. Now in its 39th year (*Volume* 39) National BDPA (NBDPA) Chapters publish quarterly or monthly newsletters. For newsletter or web portal advertising rates, publication schedules, online calendars, ande-newsletters, contact regional or local BDPA Chapters by visiting **www.bdpa.org** or by calling **301.584.3135**. bdpatoday (**ISSN 1946-1429**) is published by participating Local Chapters of NBDPA with their respective chapter Communications Committees, mailed to BDPA members, BDPA corporate sponsors and electronically delivered to BDPA Chapters and Chapter Interest Groups (CIGs) as a benefit of membership. First Class and Periodicals postage paid at Washington, D.C. and additional regional mailing offices. Unless otherwise noted by own copyright, art and graphics ©National BDPA, ©BDPA-DC, ©Corbis, ©Getty Images, ©ITSMF and ©JupiterImages™. Conference photos ©National BDPA; credits: Charlie Perkins. Cover graphics, photos and logos: Federal Communications Commission (FCC), BDPA-DC, and bdpatoday. bdpatoday is available for online publishing of ICT industry, chapter news, and community IT, Cyber, and STEM events. Forward advertisements, articles, calendar of events, or images with captions and credits to: **info@bdpatoday.org**. Readers may use NBDPA Groupsite calendars, enhanced by Groupsite.com to review local events or visit www.bdpatoday.org. An advertisement, announcements, OP-EDs, tweets, re-tweets, or following NBDPA on social media does not constitute an endorsement. Contributor opinions are not necessarily those of National BDPA nor local BDPA Chapters.

Cyberstates: The Definitive State-by-State Analysis of the U.S. High-Tech Industry

With tech industry jobs representing 5.4 percent of the private sector workforce and paying higher average salaries, fully understanding the tech industry's significant contribution to the economy is critical. The ***TechAmerica Foundation***'s 2013 *Cyberstates* report is the authoritative analysis of the high-tech job market in the United States.

Key National Findings

- U.S. tech employment totaled 5.95 million in 2012.
- Tech employment was up in 2012 by 67,400, or by 1.1 percent.
- The software services sector added 63,900 jobs in 2012, a 3.5 percent increase.
- The tech industry paid an annual average wage of $93,800 in 2012, 98 percent more than the average private sector wage of $47,400.
- Tech industry annualized payroll totaled $558 billion in 2012.

Key State Findings

- The leading states by high-tech employment in 2012 were California (968,800), Texas (485,600), New York (318,200), Virginia (285,400), and Florida (270,900).
- By rate of growth, North Dakota (+4.1%), Michigan (+3.8%), and Missouri (+3.1%) led the nation.
- Virginia continued to lead the nation in concentration of high-tech workers in 2012, with 9.8 percent of its private sector workforce employed by tech.
- California's tech industry workers were paid the highest annual average wage of $123,900 in 2012, followed by Massachusetts ($116,000) and Washington ($110,200).
- Eight states had tech wages that were on average more than twice that of the overall private sector wage. They are, in order of highest differential, California, Washington, Idaho, Oregon, New Mexico, Virginia, Arizona, and North Carolina.

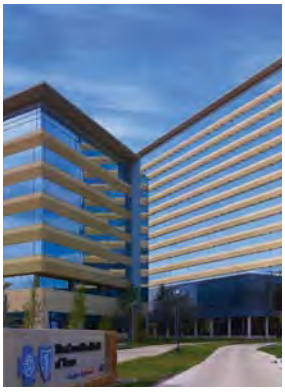
Source: ***TechAmerica Foundation***

Illinois

Montana

New Mexico

Oklahoma



Texas

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and extends best wishes to all of the talented
High School Competition Students!

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Blue Cross and Blue Shield of Oklahoma, and Blue Cross and Blue Shield of Texas

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Photo courtesy U.S. Senate

▲ **Senator Jay Rockefeller (D-WV)**, (right) Chairman of the Senate Finance Committee's Subcommittee on Health Care, chaired a recent hearing on the Children's Health Insurance Program (CHIP) and the need to extend it to protect the health care coverage of more than eight million children and pregnant women nationwide. Without an extension, CHIP funding will lapse on September 30, 2015.

United States Congress:

List of TECH Caucuses for 113th Congress

▼ The following lists some of the leading Caucuses in Congress with emerging high technology overtones and oversight.

U.S. House Unmanned Systems Caucus

The mission of the U.S. House Unmanned Systems Caucus is to educate members of Congress and the public on the strategic, tactical, and scientific value of unmanned systems; actively support further development and acquisition of more systems, and to more effectively engage the civilian aviation community on unmanned system use and safety.

CBC Science and Technology Brain Trust

The Congressional Black Caucus (CBC) Science and Technology Brain Trust was founded over two decades ago by Congresswoman Eddie Bernice Johnson to identify

See **CAUCUS** *page 10*

Photo courtesy Rep. Eddie Bernice Johnson

▲ This month, Congresswoman Eddie Bernice Johnson serves as the honorary host of the Congressional Black Caucus Foundation's (CBCF) 22nd Annual Science and Technology Brain Trust during the 44th Annual Legislative Conference (ALC) at the Walter E. Washington Convention Center in Washington, D.C. panel discussions.

The more viewpoints we have, **THE FURTHER WE CAN SEE.**

At Northrop Grumman, diversity isn't just a policy, it's a principle. We bring together people of different cultures, experiences, ideas, genders—thousands of perspectives working toward a single goal: global security. We're successfully protecting the planet—not just because of our individual talents but because of our collective strengths. We'll value your contribution to our mission, and support you through training and employee resource groups.

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THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

Opportunity Abounding in

STEM

by: Mignon Clyburn

You would have been both amazed and encouraged if you had accompanied me across the Potomac River to northern Virginia recently. I had the pleasure of spending a stimulating afternoon at T.C. Williams High School in Alexandria, the real-life high school made famous by the inspirational hit movie, "Remember the Titans". But the buzz surrounding this day was not about the football team; it was all about technology and innovation, and how tech executives, entrepreneurs, developers and policy makers came together to engage and inspire students to pursue careers and entrepreneurial opportunities in science, technology, engineering and math (STEM).

"***Innovation Afternoons***" is part of a program in which an earnest and committed group of business leaders, entrepreneurs and educators are nurturing a pipeline of diverse future STEM leaders. Under the banner of the Equal Footing Foundation, community leaders also fund, launch and sustain "computer clubhouses" in partnership with local governments, businesses and nonprofits.

The result is an innovative, after school learning center where students 8-18 can work with adult mentors to learn, develop and explore their interests as future STEM leaders. Many of these students do not independently have access to technology, so the computer clubhouse is their gateway to the web and all that it holds for young technologists. Today, this program supports 1,500 students every week, and hosts 30,000 individual visitors every year. It has been recognized and awarded for outstanding academics, citizenship and peer-to-peer mentoring.

Official White House Photo by **Amanda Lucidon**

▲ First Lady Michelle Obama and Education Secretary Arne Duncan talk with students working on FAFSA (Free Application for Federal Student Aid) forms during a workshop at T.C. Williams High School in Alexandria, Virginia.

As we sat in the activity room with dozens of students who trace their roots from all over the world, I was challenged by their questions, impressed by their intellect and depth of knowledge of science and technology. I came away convinced more than ever that, as our world moves decisively toward a comprehensive IP framework, we can ill-afford to leave anyone behind. Programs such as those sponsored by the Equal Footing Foundation provide notable engagement and interconnections for industry, educators and students and foreshadow a bright future for aspiring STEM leaders in communities around the nation. It is a good example of what an inspired and dedicated group of business, community, and educational leaders can accomplish on their own and that there are hundreds of talented and curious young people who are willing and able, right across the river.

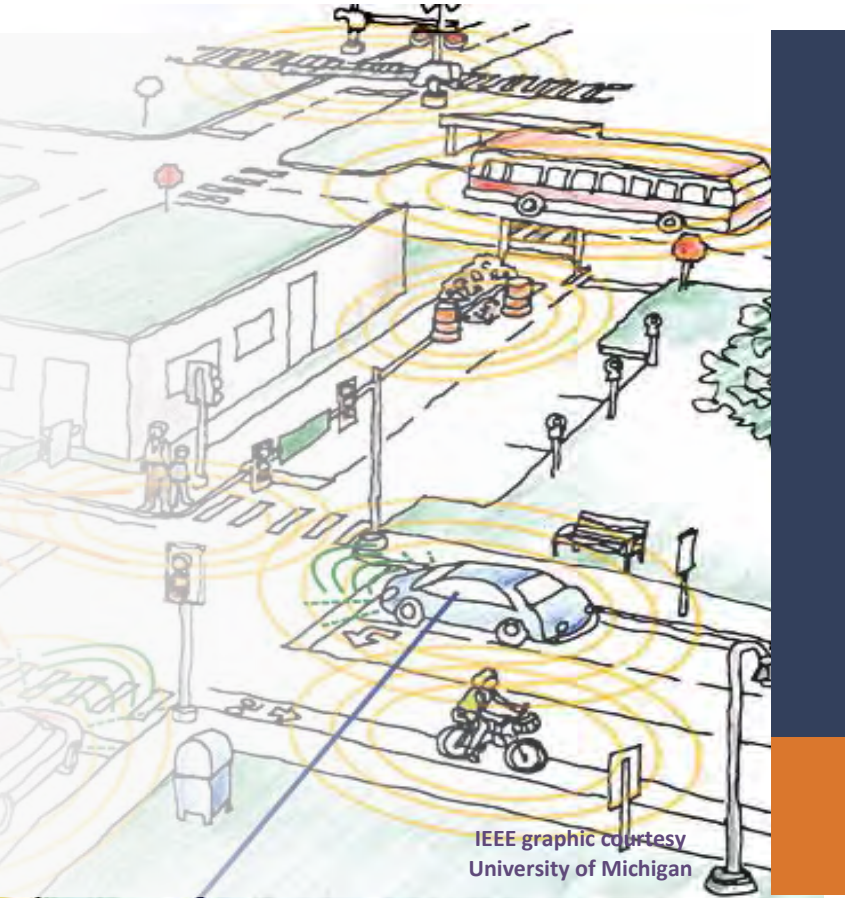
FCC Commissioner

Blog | May 30, 2014

bdpatoday

Advanced Spectrum Sharing in "Urban Test Cities"

The President's Council of Advisors on Science and Technology (PCAST) recommended the creation of an "urban Test City" to "support rapid experimentation" of advanced spectrum sharing technologies. The Joint Public Notice seeks to start the process of transforming this recommendation from an idea to reality. We have chosen to use the term "Model City" to better reflect the idea that systems or networks might be developed that could serve as a model for spectrum sharing techniques that can be deployed elsewhere. Discover more at **FCC.gov** and *Popular Technology TV* (**PTTV**).



IEEE graphic courtesy
University of Michigan

CAUCUS *continued from page 7*

strategies to broaden participation in the sciences and to inspire minority youth to pursue careers in Science, Technology, Engineering and Math (STEM). The Brain Trust brings together celebrities, community leaders, and mentors to achieve this goal.

Science, Space, and Technology Committee
The Science, Space, and Technology Committee, which has jurisdiction over programs at NASA, the Department of Energy, the Environmental Protection Agency, the National Science Foundation, the Federal Aviation Administration, and the National Institute of Standards and Technology. The Committee oversees agency budgets of $39 billion, where the primary focus is on research and development. This committee promotes legislation that encourages scientific discoveries, space exploration, and new technologies.

Congressional Cybersecurity Caucus
Chairs & Co-Chairs:
Rep. James Langevin and Rep. Michael McCaul
Staff Contact Name and Information:
Michael Hermann (Langevin) **202.225.2735**

Congressional Gaming and Entertaining Caucus
Chairs & Co-Chairs:
Rep. Bennie G. Thompson and Rep. Joe Heck
Staff Contact Name and Information:
Marsha McCraven (Thompson) **202.225.5876**
Courtney Temple (Heck) **202.225.3252**

Congressional Internet Caucus
Chairs & Co-Chairs:
Rep. Bob Goodlatte and Rep. Anna Eshoo
Staff Contact Name and Information:
Jason Cervenak (Goodlatte) **202.225.3951**
David Grossman (Eshoo) **202.225.8104**

Congressional Modeling and Simulation Caucus
Chairs: Rep. Randy Forbes
Staff Contact Name and Information:
Eric Sayers (Forbes) **202.225.6365**

Source: **cha.house.gov**

CAREERS AT THE NATIONAL SECURITY AGENCY

Far from Ordinary

The U.S. is under cyber attack, every minute of every day. That's why cyberspace has become today's new front line. What you know can make a difference at the National Security Agency. Whether it's collecting foreign intelligence or preventing foreign adversaries from accessing U.S. secrets, you can protect the nation by putting your intelligence to work. Explore technology that's years ahead of the private sector. Plus exciting career fields, paid internships, co-op and scholarship opportunities. See how you can be a part of our tradition of excellence and help the nation stay a step ahead of the cyber threat.

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Advance Planning Briefing for Interns (APBi)

MARYLAND, USA— The National Security Agency (NSA) is now accepting applications directly from **High School Seniors** for their coveted Summer 2015 - Gifted and Talented STEM Program (G&T). The Agency's G&T Program is a 10-12 week summer internship designed to introduce current graduating high school students who possess outstanding academic credentials in the areas of science, technology, engineering, and mathematics (STEM) to support the Agency's missions. This program provides a tremendous opportunity to gain valuable work experience in the area of STEM. Students will be given meaningful and engaging opportunities to utilize and enhance their technical skills. They will work closely with mentors and coworkers on projects that truly make an impact to our country. Students will be placed in an office related to their areas of interest and aptitude and will also have the chance to experience very unique tours of the Agency's ultra-high tech facilities. The program's full description is available on the Agency's **career website**. BDPA Members, if you know students interested in this wonderful opportunity, share this information and ask students to apply no later than **October 31st**. Applications are accepted online at **www.nsa.gov/careers**, select Job Search/Apply Online and keyword search for **Gifted and Talented** program, use **Job ID #1050288**.

#BDPA15: Partner with us August 17-23, 2015

Opportunities & Careers

CALIFORNIA, USA—What better way to get into the game industry than by working as an intern or co-op for Electronic Arts, Inc. (EA?) EA offers paid internships or co-op positions (pay ranges vary depending on location, experience and skills), so you can actually get paid for working on games. EA will also include your name in the game credits - how cool is that? Better yet, an EA internship or co-op just might lead to a career with EA after upon graduation.

An EA internship/co-op is a great way to get real-world

Photo © Electronic Arts, Inc.

experience in our rapidly evolving gaming industry. You get hands-on experience working on actual projects, and the team you're working with benefits from your fresh perspective. EA is very confident that once you've sampled life at EA you'll want to come back after graduation.

EA operates its global headquarters in Redwood Shores, CA, with other US studio locations in Los Angeles, CA (**BDPA LA**), Orlando, FL (**BDPA Orlando**), Fairfax, VA (**BDPA NoVA/BDPA-DC**), and Salt Lake City, UT.

Regardless of where you work in the EA World, you're sure to be working with passionate, creative co-workers driven by the same goal - to make the world's best games. BDPA Student Members are invited to contact local BDPA chapters via **BDPA.org** for additional details. Discover more by visiting **https://careers.ea.com**.

BDPA Student Member Internships and ICT Industry Co-Op Forecasts* | Calendar Year 2014

Organization or Agency	STEM Focus	Projected Deadlines	*Established **BDPA** Relationships
Army Corps of Engineers	Engineering and most STEM majors	Spring 2015	BDPA Baltimore, BDPA Huntsville
U.S. Coast Guard	All Majors; ask BDPA about the U.S. Coast Guard's **CSPI** Program	Spring 2015	BDPA-DC, BDPA Hampton Roads, BDPA Hartford, NBDPA CONUS, USCGA, OCS, & CSPI
CSC	Computer Science, STEM-IC (Intelligence & Cyber), C5ISR	Spring 2015	BDPA Cincinnati, BDPA-DC, BDPA Northern Virginia, BDPA Hartford
EA Sports	Software Engineering, Application Development, Marketing internships	Spring 2015	BDPA Bay Area, BDPA DC, BDPA LA, BDPA Orlando, National BDPA West Region
General Motors	Information Technology and Communications internships	Now Open (since August 2014)	BDPA Atlanta, BDPA Austin, BDPA Detroit and BDPA Phoenix (CIG)
HBCU/MI Project Office	CS-STEM or STEM-IC; able to obtain security clearances	Fall, Spring, & Summer	BDPA Atlanta, BDPA-DC, BDPA Huntsville, BDPA Orlando, BDPA San Diego (CIG)
HCSC**	Associate Intern(s)	March 2015	**National BDPA Platinum Sponsor** Illinois, Oklahoma, New Mexico & Texas
HP**	STEM	Winter 2015	**National BDPA Platinum Sponsor** BDPA-DC, BDPA NoVA with 3.2 GPA
IBM	STEM | "Extreme Blue"	Fall, Spring, & Summer	BDPA-DC, BDPA Greater Columbia, BDPA Southern Minnesota, BDPA Triangle
Johnson & Johnson**	All Majors	Winter/Spring 2015	**National BDPA Platinum Sponsor** Speak with J&J reps at Regional Events
Life Technologies	Manufacturing, Supply Chain Management, Strategic Sourcing	Summer 2015	BDPA-DC (Frederick, MD), BDPA-LA (Carlsbad, CA)
Lilly**	Biology, Chemistry, Manufacturing, Supply Chain Management and more	Spring 2015	**National BDPA Platinum Sponsor** Meet Lilly reps at BDPA Events or on campus
NASA	Undergraduate Student Research Program	Spring 2015	BDPA Cleveland, BDPA DC, BDPA Houston, BDPA Huntsville,
Department of the Navy	All Majors	**Fall 2014**	NBDPA, CONUS, or NROTC
Northrop Grumman	C4ISR, Engineering, Health IT, Manufacturing, STEM-IC (Intel/Cyber)	Fall, Spring, & Summer	BDPA-DC & BDPA Northern Virginia; Interns must have strong GPAs
NEW NSA	STEM-IC (Intelligence and Cyber)	**OCT 31st 2014**	BDPA Baltimore, BDPA-DC and BDPA Northern Virginia
Raytheon	C4ISR, STEM-IC, Systems Engineering, Communications	Fall, Spring, & Summer	BDPA Huntsville, BDPA Los Angeles, BDPA Mass-Metro West (Boston)
SiriusXM Satellite Radio	Communications, Marketing, Multimedia, SATCOM and STEM	Fall & Spring	BDPA-DC & BDPA-NY
TASC	Analytical, Computer Science, STEM-IC	Spring 2015	BDPA-DC & BDPA Northern Virginia

***BOLD** text indicates National BDPA Platinum Sponsors now accepting BDPA Student applications with strong GPAs and updated resumes. NBDPA HSCC and IT Showcase Student Members and Alumni are encouraged to apply each semester.*

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College graduate and undergraduate STEM majors with cumulative GPAs greater than 3.20 are invited to establish broader professional STEM, Cyber, and ICT Industry networks by joining BDPA and actively participating in National BDPA Technology Conferences and Career Fairs. Your next internship is one step closer with your ***Student Membership*** ($25) by visiting www.bdpa.org. Join us to cultivate professional networks with local BDPA Members and Corporate Hiring Managers through our BDPA Member portal.

BDPA and Local ICT Industry Events

Information & Communications Technology (ICT)

► HBCU Innovation Conference
September 22-23, 2014 – Marriott Wardman Park Hotel, Washington, D.C.
Read more ►
Washington, D.C. | **Host Chapters: BDPA Washington, D.C./BDPA NoVA**

► CBC Foundation Annual Legislative Conference (ALC)
September 24-27, 2014 – Washington Convention Center, Washington, D.C.
Read more ►
Washington, D.C. | **Host Chapters: BDPA Washington, D.C./BDPA NoVA**

► BDPA Northern Delaware 2014 STEM Summit
September 27, 2014 – Wilmington University
New Castle, DE | **Host Chapter: BDPA Northern Delaware**

► BDPA Education Banquet & Fundraiser
October 4, 2014 – Receptions Conference Centers, Fairfield, OH
Cincinnati, OH | **Host Chapter: BDPA Cincinnati**

► BDPA National HSCC Championship Awards Gala
November 12, 2014 – Bowie State University Student Union Ballroom
Washington, D.C. | **Host Chapters: BDPA Washington, D.C./BDPA NoVA**

► SC14 – 2014 Super Computing Conference
November 16-21, 2014 – New Orleans Convention Center
New Orleans, LA | **Host Region: BDPA South Region**

► I/ITSEC 2014 – World's Largest Modeling, Simulation, and Training Conference
December 1-5, 2014 – Orange County Convention Center
Orlando, FL | **Host Chapter: BDPA Orlando**

► CES 2015 – International CES
January 6-9 – Las Vegas Convention Center and Hotels
Las Vegas, NV | **Host Region: BDPA West Region**

► 2015 ACM/Richard Tapia Conference
February 18-21, 2015 – The Westin Copley Place-Boston
Boston, MA | **Host Chapter: BDPA Mass-Metrowest (Boston)**

Visit bdpa.org and Groupsites for more BDPA Chapter events.

National BDPA 40th Anniversary Gala
TECH Conference & Career Expo

A TECH & MEDIA EVENT | **Washington, D.C. • AUG 17-23, 2015**

WASHINGTON, DC—Next year's National BDPA Technology Conference *Host Chapters* are BDPA Washington, D.C. (BDPA-DC) and BDPA Northern Virginia (BDPA NoVA.) Members, Professionals, and Students attending next year's career fair will discover top employers from our Information and Communications Technology (ICT) industry's high growth market segments. Attendees are afforded numerous opportunities to network with IT professionals from all vertical markets and take full advantage of National BDPA's resources designed to enhance relationship building with hiring managers or corporate buyers. Moreover, senior IT and cybersecurity career opportunities with national job searches are provided to enhance professional and academic IT careers.

BDPA Sponsors and Exhibitors leverage opportunities to enhance their visibility across STEM, ICT, Cloud, Big Data, and Cybersecurity special interest groups (SIGs) to identify and recruit new hires directly from top talent pools available from national BDPA Chapters and chapter cities.

Our National High School Computer Competition (HSCC) and collegiate IT Showcase (ITSC) programs also provide opportunities for industry and academia to directly connect with students from local BDPA chapters, including qualified HSCC and ITSC student pipelines, to close digital divides and develop tomorrow's IT workforce. BDPA has added a National Mobile App Development Showcase to its portfolio to increase student participation. Whether you are in the job market or not, in 2015, don't miss National BDPA's 40th Anniversary celebrations, Technology Conferences, new Career Expos, industry reunions, and local BDPA Chapter 40th Anniversary events.

2015 National BDPA Conference Call

By virtue of the authority vested in me as National President of NBDPA and in accordance with the mandates of **Article VIII**, Sections **§8.1** and **§8.2**, of the National By-Laws for National BDPA; it is my distinct pleasure to announce the call for assembly of the ***2015 Annual Delegates Meeting*** and your ***37th Annual National BDPA Technology Conference***.

Our site for next year's National BDPA Technology Conference shall be Washington, District of Columbia—with BDPA Washington, D.C. (BDPA-DC) and BDPA Northern Virginia (BDPA NoVA) serving as our Host Chapters. The Washington Hilton is your official headquarters hotel for our assembly, Career Fair, Technology Expo, National High School Computer Competition (HSCC) scholarship round, National IT Showcase (ITSC) scholarship round, National Mobile App Development scholarship round, and our annual national Youth Technology Camp (YTC.)

Said National BDPA Technology Conference shall take place during the time period August 17th through August 23rd, 2015—with our formal ***40th Anniversary Banquet and Awards Gala*** on the evening of Saturday, August 22nd, 2015. BDPA Chapters, BDPA members, Corporate Sponsors, and stakeholders are hereby notified of the time and place for 2015's National BDPA Technology Conference and Career Fair. Take full advantage of your annual memberships, discounts, and color sponsorships available to your organizations in our corporate portfolio and rate cards.

BDPA Chapters are directed to make appropriate plans to ensure their Executive Committees, Delegates, new members, student members, participating High School Computer Competition teams, IT Showcase teams, and Mobile App Development teams have successfully pre-registered prior to March 31, 2015. I look forward to our reunion and industry meetings next August in Washington!

Dr. Craig Brown
National President

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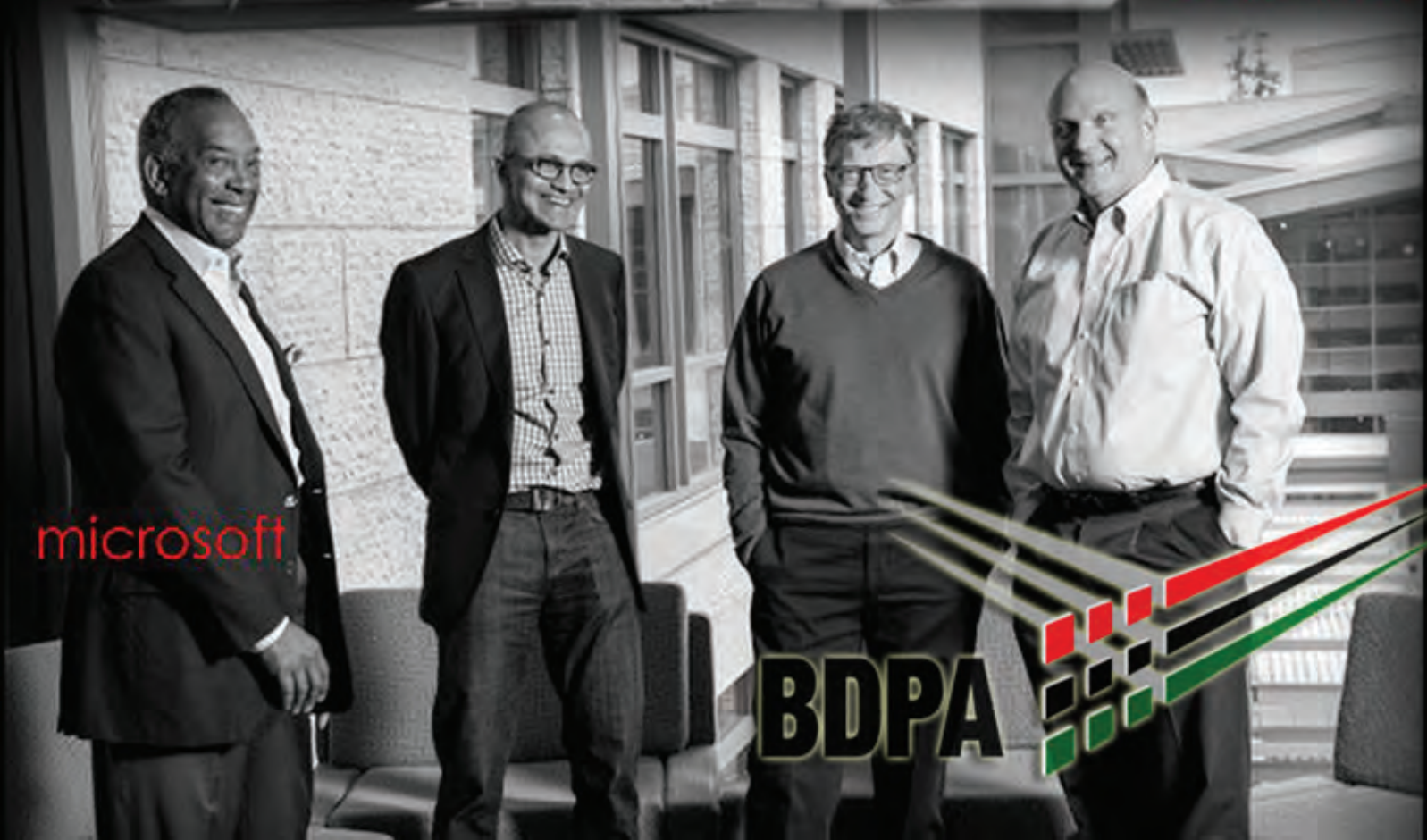

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BDPA

SAVE THE DATE

Join National BDPA for its
40th Anniversary
celebration featuring an
International Technology Conference
and *Career Expo*

August 18 – 23, 2015
Washington Hilton

#BDPA15 | bdpa.org
corpsales@bdpa.org
301.584.3135 x108

fedsales@bdpadc.org
703.627.8257

U.S. Marine Corps photo by Staff Sergeant Oscar L. Olive IV, USMC

President Barack Obama and First Lady Michelle Obama joined Marine Corps Commandant General James F. Amos and his wife, Bonnie, during an evening parade and concert at Marine Barracks Washington, D.C., Friday, June 27, 2014. The "Commandant's Own" U.S. Marine Drum and Bugle Corps and the U.S. Marine Corps' Silent Drill Platoon also performed during the event. During the summer, an Evening Parade and Concert occurs every Friday evening at the Barracks through August. During **#BDPA15**, August 18-23, 2015, contact your ***Host BDPA Chapter*** for special VIP and Industry events.

BDPA—NATIONAL CAPITAL REGION

U.S. Army Recruiting Next-Generation Cyber Workforce for new Career Fields

Deputy to the Commander of Army Cyber Command , delivers remarks this month with AFCEA

WASHINGTON, D.C.—Ronald Pontius, the deputy to the commander of Army Cyber Command, said the professional cyber-trained forces in the United States Army will be head north of 5,000 to approximately 6,000 soldiers, Army strong. These were the latest comments Pontius made shortly after a recent panel discussion sponsored by the Washington Chapter of the Armed Forces Communications and Electronics Association (AFCEA D.C.)

"We are working on that now and more will emerge over the next few months. A lot of times these things take many years, but there is very strong leadership support to make this happen in the next year or two," Pontius said. "It's being worked out of the Cyber Center of Excellence in Fort Gordon, Georgia. That's a recent standup. The signal center of excellence that also has electronic warfare has been refashioned to be the Cyber Center of Excellence."

photo *bdpatoday* © 2014

▲ **During the annual Black Engineer of the Year Awards (BEYA) and Global Competitive STEM conference, senior military officers, and Defense Intelligence Senior Executive Service (DISES) members are honored at the annual Stars & Stripes receptions and dinner. (L-R) Keith Scott, 2013 BDPA-DC Member of the Year, Lieutenant General Robert S. Ferrell, U.S. Army's Chief Information Officer, CIO/G-6, and Perry Carter, President, BDPA-DC.**

In a recent article from *Federal News Radio*, Pontius said a professional cyber career field is the next evolution of a decision made two years ago by then-Defense Secretary Leon Panetta for the services to have cyber mission forces.

"There are people being recruited and trained right now," he said. "Each of the military services will do it in their own way. The Army is looking to train and sustain the really very high speed cyber operators from a range of defensive and offensive capabilities. It takes a lot of training and emphasis and they really need to be managed very carefully, and that's what the Army is thinking."

See **Army Cyber** *on page 23*

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SiriusXM SATELLITE RADIO

2014 Technology Forum

Cyber Security from an Everyday Perspective Personal and Business

September 25, 2014
8:30 AM to 11:00 AM

George Washington University
Jack Morton Auditorium

SPEAKERS

Ernest L. McDuffie, Ph.D., Lead for the National Initiative for Cybersecurity Education (NICE), National Institute of Standards and Technology (NIST)

Frank Cilufo, Associate Vice President & Director, Homeland Security Policy Institute, The George Washington University

PANELISTS

Timothy Evans, Senior Advisor - Cyber Strategy and Policy, Johns Hopkins University Applied Physics Laboratory (JHUAPL)

Victor Iwugo, Chief Security Officer, DC Health Benefits Exchange

Jason Klitenic, Partner, Holland & Knight

Kenneth Suarez, CyberSecurity SME, Enlightened

Chris Boyer, Assistant Vice President – Global Public Policy, AT&T

Sean Scott, CEO, Resilience

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Apple and IBM Forge Global Partnership to Transform Enterprise Mobility

CUPERTINO, California and ARMONK, New York— Apple® and IBM announced an exclusive partnership that teams the market-leading strengths of each company to transform enterprise mobility through a new class of business apps—bringing IBM's big data and analytics capabilities to iPhone® and iPad®.

The landmark partnership aims to redefine the way work will get done, address key industry mobility challenges and spark true mobile-led business change—grounded in four core capabilities:

- a new class of more than 100 industry-specific enterprise solutions including native apps, developed exclusively from the ground up, for iPhone and iPad;
- unique IBM cloud services optimized for iOS, including device management, security, analytics and mobile integration;
- new AppleCare® service and support offering tailored to the needs of the enterprise; and
- new packaged offerings from IBM for device activation, supply and management.

The new IBM MobileFirst for iOS solutions will be built in an exclusive collaboration that draws on the distinct strengths of each company: IBM's big data and analytics capabilities, with the power of more than 100,000 IBM industry and

See **Apple + IBM** *on page 25*

Photo © Apple

▲ This month it was the much-anticipated unveiling of **iOS 8**, the **iPhone 6** and **6 Plus**, **Apple Pay**, and **Apple Watch**. Discover more at ***bdpatoday.org***.

Source: Apple® and IBM

SC14: High Performance Computing (HPC) Matters

Louisiana, USA

New Orleans, LA—HPC is helping to solve our hardest problems in the world. Innovations from our community have far reaching impact in every corner of science, all the way to investment banking, in the discovery of new drugs, to the precise prediction of the next superstorm. For more than two decades, the SC Conference has been the place to build and share the innovations that are making these life-changing discoveries possible.

In November of 2014, SC is going back to New Orleans with new ideas and a fresh take on HPC. Spotlighting the most original and fascinating scientific and technical applications from around the world, SC14 will once again bring together the HPC community – an unprecedented array of scientists, engineers, researchers, educators, students, programmers, system administrators, and developers – for an exceptional program of technical papers, tutorials, timely research posters, and Birds-of-a-Feather (BOF) sessions.

The SC14 Exhibition Hall will feature exhibits of the latest and greatest technologies from industry, academia and government research organizations; many of these technologies will be seen for the first time in New Orleans. Mark your calendar and make your way to New Orleans. No city offers the same extraordinary mix of food, music, culture, and history; and no conference offers a better opportunity to view the why HPC matters.

Join the community in November to share our collective accomplishments and to engage in important conversations of how we make HPC Matter to our lives, our future, our communities and our world.

Army Cyber *from page 18*

The Army's need for a dedicated cyber workforce will increase as it moves more and more to Joint Regional Security Stacks (JRSS). In fact, the Army and Air Force reached initial operating capability (IOC) for its first JRSS in the continental United States (CONUS) this month in Texas at Joint Base San Antonio.

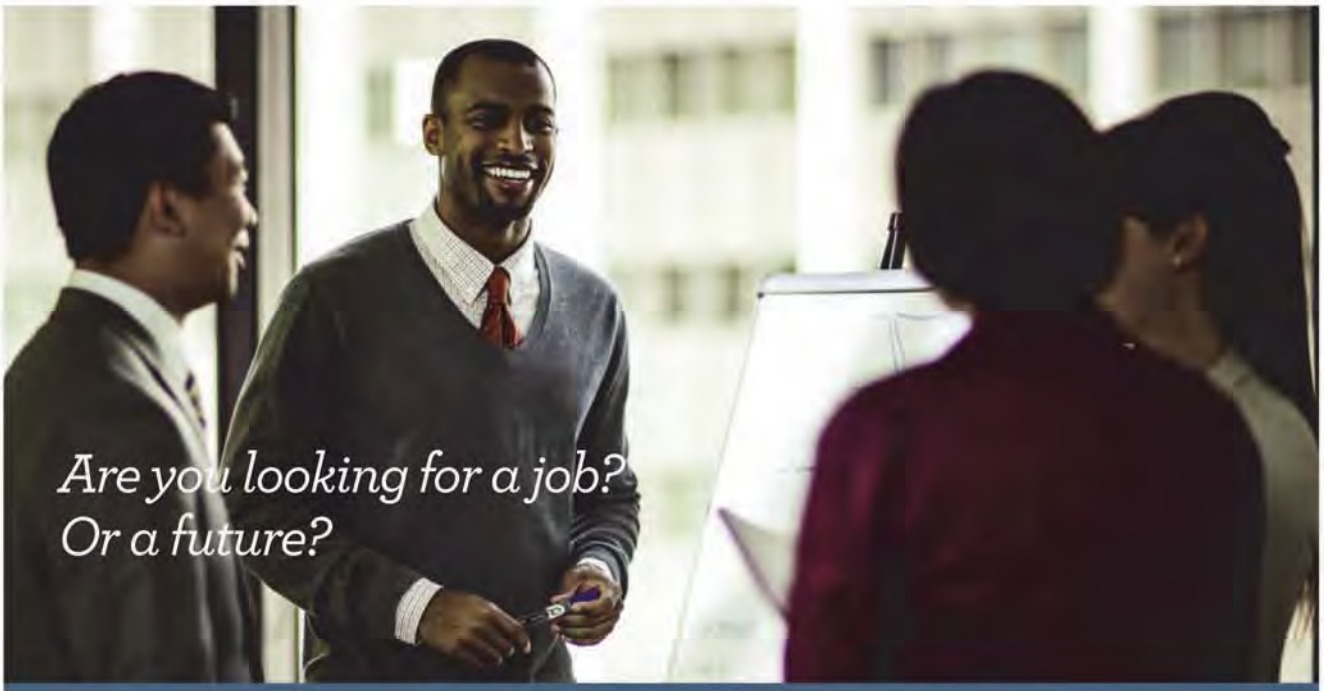
Pontius said the impact of the JRSS is hard to quantify yet, but he knows there will be network and cyber improvements. The JRSS is expected to give the Army better situational awareness and the ability to defend networks more effectively.

bdpatoday photo © 2014

▲ ***U.S. Military Academy at West Point faculty and Cadets with BDPA Executives during BEYA 2014.***

Sources: **U.S. Army** and **FederalNewsRadio.com**

WELLS FARGO



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Together we'll go far

Apple + IBM *from page 22*

domain consultants and software developers behind it, fused with Apple's legendary consumer experience, hardware and software integration and developer platform. The combination will create apps that can transform specific aspects of how businesses and employees work using iPhone and iPad, allowing companies to achieve new levels of efficiency, effectiveness and customer satisfaction—faster and easier than ever before.

As part of the exclusive IBM MobileFirst for iOS agreement, IBM will also sell iPhones and iPads with the industry-specific solutions to business clients worldwide.

"iPhone and iPad are the best mobile devices in the world and have transformed the way people work with over 98 percent of the Fortune 500 and over 92 percent of the Global 500 using iOS devices in their business today," said Tim Cook, Apple's CEO. "For the first time ever we're putting IBM's renowned big data analytics at iOS users' fingertips, which opens up a large market opportunity for Apple. This is a radical step for enterprise and something that only Apple and IBM can deliver."

"Mobility—combined with the phenomena of data and cloud—is transforming business and our industry in historic ways, allowing people to re-imagine work, industries and professions," said Ginni Rometty, IBM Chairman, President and CEO. "This alliance with Apple will build on our

See **Apple + IBM** *on page 28*

▲ BDPA Members and guests at the Microsoft Store in Pentagon City with BDPA DC and BDPA NoVa attend a recent monthly mixer featuring BDPA's new *Popular Technology TV* (PTTV) programming with demonstrations of Microsoft's new *Surface Pro 3*. Contact local BDPA Chapters for next month's TECH + MEDIA events, speaking engagements, and volunteer opportunities. BDPA-DC and BDPA NoVA will co-host #BDPA15 next year in Washington, D.C.

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To partner, visit bdpa.org

BDPA Northern Delaware
2nd Annual STEM Summit

Saturday September 27, 2014 9:00 am – 4:00 pm

Wilmington University Audrey K. Doberstein Admissions Center
320 N. DuPont Highway New Castle, DE 19720

Come join us for a day of Innovation!

Have fun and learn more about the business of Science, Technology, Engineering, and Mathematics!

The STEM Summit will provide the opportunity for members of the community to learn about STEM based careers from successful representatives of the STEM workforce.

Program Highlights:

Registration & Hospitality
9:00am – 9:20am
Check In at the hospitality desk and enjoy a cup of coffee.

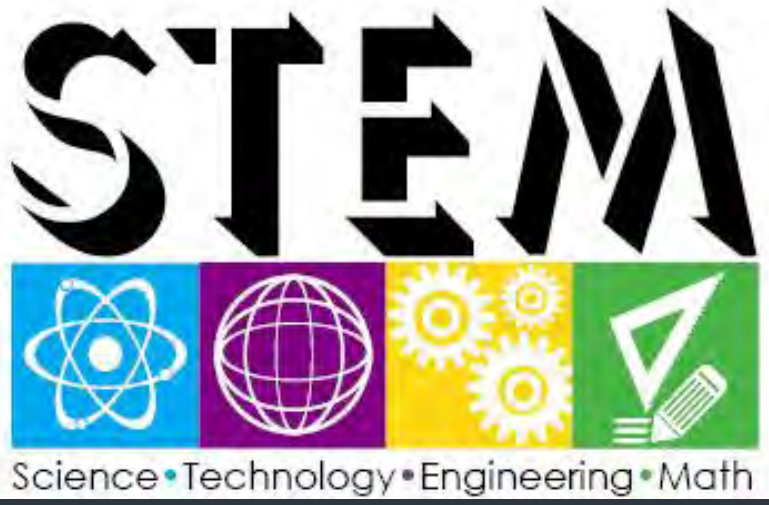
Welcome
9:20am – 10:00am
Welcome Address with Guest Speaker

Data Management Panel
10am – 11am
Panel of experts in various disciplines within the Data Management field. Panel will present information on Data Governance, Business Intelligence and much more…

Girl Tech Talk
11:15 pm – 12:30pm
Round table discussion on the rewards and challenges of being a female in a male dominated industry.

Rules of the Game
11:15 pm – 12:30pm
Shared insights on how to maximize career opportunities and prepare for the transition from the classroom to the workplace.

Lunch
12:30 pm – 1:30pm



STEM Industry Networking
1:30pm – 3:30pm
Explore the growing list of career opportunities for the STEM savvy individual. Talk with CIO, CTO, Systems Architect, Business Analyst, Data Informatics Expert, Application Developer, Technology Operations Expert and many others. Let experts in the various job skill sets share insights on their daily activities and the requirements to secure a position in that field.

STEM Fair
1:30pm – 3:30pm
Visit one or better yet all of the hands on STEM stations to experience a taste of Gaming, Aviation, Robotics, Cyber Security, Graphic Design, Mobile Application Development and Math Made Easy. Receive a raffle ticket at each station for the chance to win a Apple iPad mini.
Note: Winner must be present to win!

RSVP Online at www.bdpa-de.org
No Cost to Attend
Donations are welcome online at www.bdpa-de.org

For additional information visit our website
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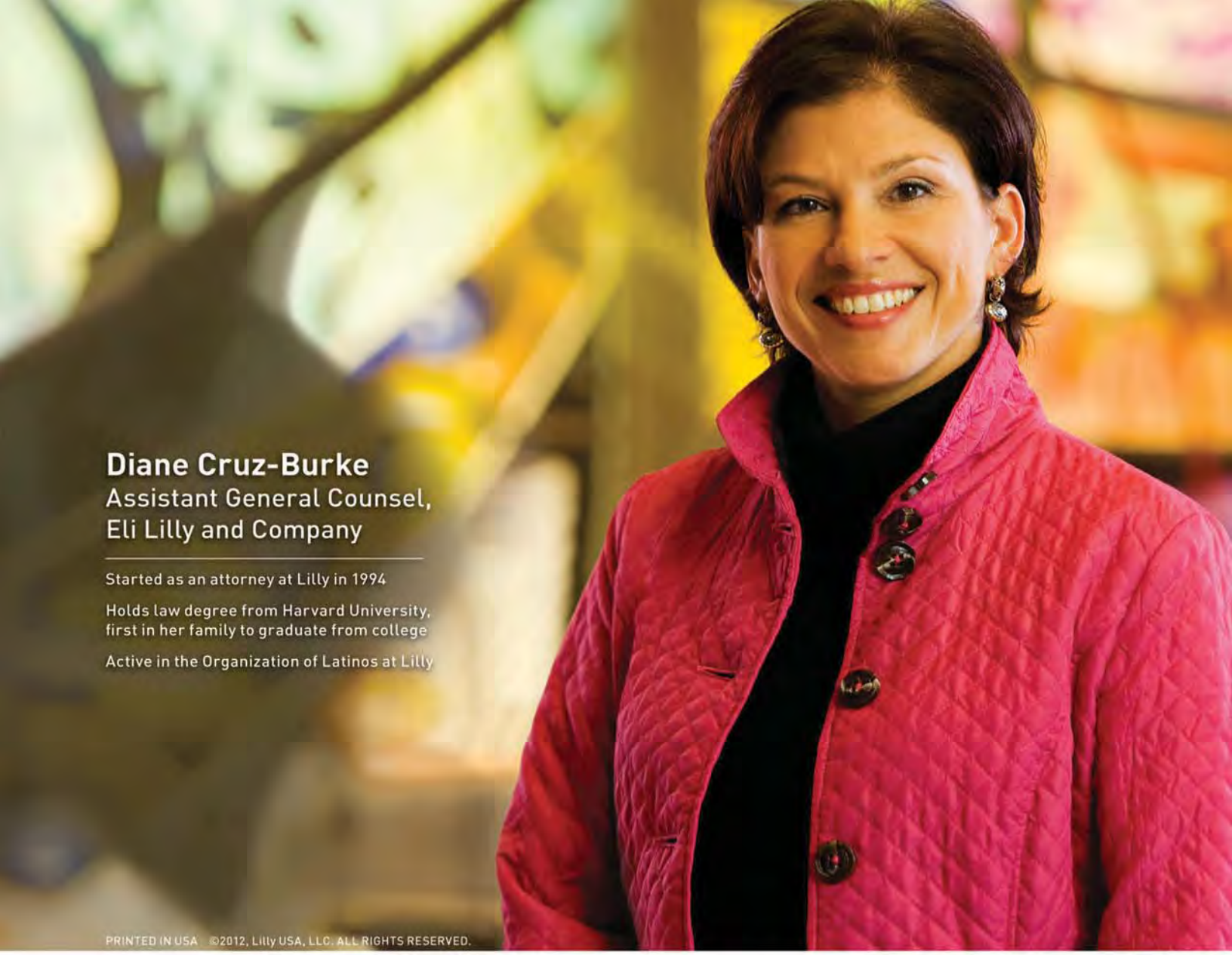

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Part of my fabric.

Both of my parents come from large families that migrated to the mainland U.S. from Puerto Rico when they were very young. They watched their parents struggle and never get ahead. But, they were determined that one day their own children could realize a better future.

Growing up in a close, extended family exposed me to a variety of challenges. We depended on one another, and for me that meant taking on huge responsibilities, even at a young age. At times, this could be emotionally draining, but it taught me how strong I really was. With the support of my family, I learned that problems are really opportunities to reshape the things we're not happy with. Anything is possible with persistence and focus.

This is an important part of my fabric. It's what makes me passionate about life and our mission to affect improved patient outcomes. Just as I have personally overcome challenges, I hope to use these experiences to positively impact the lives of others.

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Answers That Matter.

Apple + IBM *from page 25*

momentum in bringing these innovations to our clients globally, and leverages IBM's leadership in analytics, cloud, software and services. We are delighted to be teaming with Apple, whose innovations have transformed our lives in ways we take for granted, but can't imagine living without. Our alliance will bring the same kind of transformation to the way people work, industries operate and companies perform."

Apple and IBM's shared vision for this partnership is to put in the hands of business professionals everywhere the unique capabilities of iPads and iPhones with a company's knowledge, data, analytics and workflows. Specifically, the two companies are working together to deliver the essential elements of enterprise mobile solutions:

- Mobile solutions that transform business: The companies will collaborate to build IBM MobileFirst for iOS Solutions—a new class of "made-for-business apps" targeting specific industry issues or opportunities in retail, healthcare, banking, travel and transportation, telecommunications and insurance, among others, that will become available starting this fall and into 2015.

- Mobile platform: The IBM MobileFirst Platform for iOS will deliver the services required for an end-to-end enterprise capability, from analytics, workflow and cloud storage, to fleet-scale device management, security and integration. Enhanced mobile management includes a private app catalog, data and transaction security services, and productivity suite for all IBM MobileFirst for iOS solutions. In addition to on-premise software solutions, all these services will be available on Bluemix—IBM's development platform on the IBM Cloud Marketplace.

- Mobile service and support: AppleCare for Enterprise will provide IT departments and end users with 24/7 assistance from Apple's award-winning customer support group, with on-site service delivered by IBM.

- Packaged service offerings: IBM is introducing IBM MobileFirst Supply and Management for device supply, activation and management services for iPhone and iPad, with leasing options.

Announced at Apple's Worldwide Developer Conference in June and available later this year, Apple's iOS 8 is the biggest release since the launch of the App Store℠, giving users incredible new features and developers the tools to create amazing new apps. For enterprise, iOS 8 builds on the new IT model for a mobilized workforce by improving the way users are informed of how their devices are configured, managed or restricted, with expanded security, management and productivity features.

Apple designs Macs, along with OS X, iLife, iWork and professional software. Apple leads the digital music revolution with its iPods and iTunes online store. Apple has reinvented the mobile phone with its revolutionary iPhone and App Store, and is defining the future of mobile media and computing devices with iPad.

IBM's 5,000 mobile experts have been at the forefront of mobile enterprise innovation. IBM has secured more than 4,300 patents in mobile, social and security, that have been incorporated into IBM MobileFirst solutions that enable enterprise clients to radically streamline and accelerate mobile adoption, help organizations engage more people and capture new markets.

IBM has made a dozen acquisitions in security in the past decade, has more than 6,000 security researchers and developers in its 25 security labs worldwide that work on developing enterprise-class solutions.

IBM has also established the world's deepest portfolio in Big Data and Analytics consulting and technology expertise based on experiences drawn from more than 40,000 data and analytics client engagements. This analytics portfolio spans research and development, solutions, software and hardware, and includes more than 15,000 analytics consultants, 4,000 analytics patents, 6,000 industry solution business partners, and 400 IBM mathematicians who are helping clients use big data to transform their organizations.

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