

bdpatoday

SPECIAL EDITION

CONFERENCE 2014 | Volume 39.08

BDPA Indianapolis Hosts #BDPA15

In this Issue:



NBDPA partners with State Farm to Launch Inaugural Mobile App Showcase

cover

Mobile App Dev Showcase
#Mobile #AppDev

page 5 + 9

BDPA Conference at a Glance
#BDPA15

pages 7 + 10

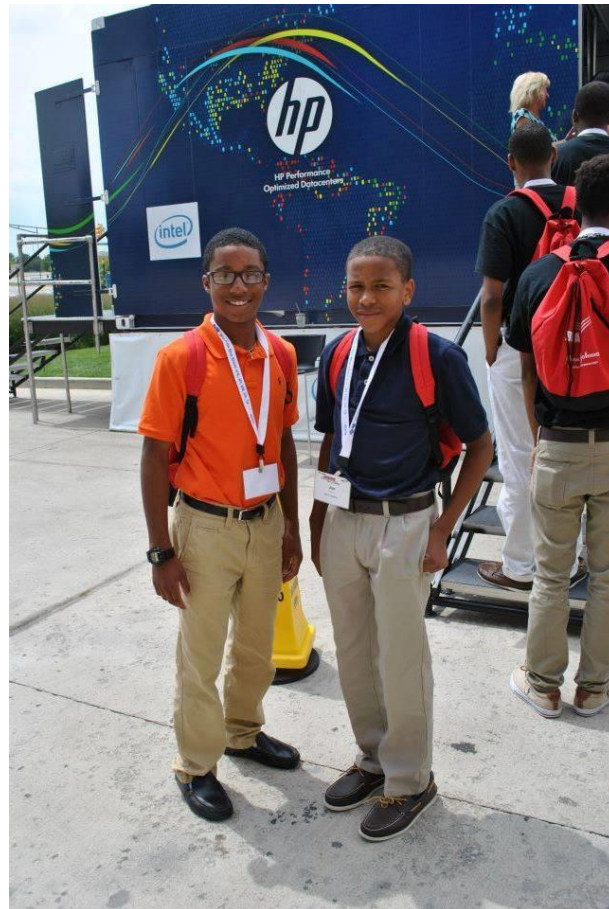
Government Relations:
NGA: Pivot to Predictive Apps
#NGA #GovRel

pages 12 + 13

Careers & Internships
Advance Planning Briefing for Interns (APBi) #BDPA15

pages 16 + 17

2014 National BDPA Success Stories



▲ Students from BDPA Cincinnati's High School Computer Competition (HSCC) team visit a mobile HP Performance Optimized Data Center (HP POD) deployed to Indy for the annual Career Expo.

Photo: © BDPA by Charlie Perkins

Indianapolis | National BDPA (NBDPA) and BDPA's Indianapolis Chapter hosted the 36th annual National BDPA Technology Conference and Career Expo at the JW Marriott Indianapolis, Indiana.

College, Trade School, and High School students from across America regularly attend National BDPA's annual trade show, career expo, and conference workshops with National BDPA's Sponsors and ICT industry executives to prepare for internships, scholarships, and new entry-level technical opportunities throughout each fiscal year.

Annual technology conferences feature the National High School Computer Competition (#HSCC), a National IT Showcase competition for College and High School divisions, and Youth Technology Camps (YTC.)

This year, National BDPA launched its inaugural Mobile Application Development Showcase.

See Mobile AppDev on page 9



SHOULDER *to* SHOULDER

We Are a Force to Be Reckoned With

For us diversity is a whole lot more about character and life experience than about who your parents are. We're looking for talented professionals, like you, who bring skill and commitment to the workplace, as well as the perspective and creativity that comes from authentic cultural backgrounds. That's the diversity we seek. That's the diversity that makes us strong and feeds our success. And at 180,000 strong we are a force to be reckoned with.



[afciviliancareers.com/bdpa](https://www.afciviliancareers.com/bdpa)

Equal Opportunity Employer. U.S. citizenship required. Must be of legal working age.



Forces. Joined.



U.S. COAST GUARD SCHOLARSHIP

The College Student Pre-Commissioning Initiative (CSPI)

Up to two years' paid tuition,
books and fees.

Approximately \$3,600 monthly
salary (\$43,200 annually) as a Coast
Guard active-duty member while
serving as a full-time student.

Guaranteed job after graduation.

Starting salary of approximately
\$60,000 annually, upon graduation
and successful completion of Officer
Candidate School.

GoCoastGuard.com/CSPI

Eligibility:

Be a U.S. citizen.

Maintain a 2.5 GPA.

Attend an HBCU, HSI, TCU,
or approved college
or university.

Must be a sophomore or
junior enrolled in a 4 year
undergraduate program.



**COAST GUARD
COAST GUARD RESERVE**
BORN READY



 facebook.com/GoCoastGuard

 youtube.com/GoCoastGuard

NATIONAL BDPA CO-FOUNDER

Earl A. Pace, Jr.

NATIONAL BDPA PRESIDENT

Dr. Craig Brown

NBDPA VICE PRESIDENT

Pamela Sexton

NBDPA VICE PRESIDENT

FINANCE

Loraine Stewart

NBDPA VICE PRESIDENT

NORTH REGION

Frederick Smith, Jr.

NBDPA VICE PRESIDENT

SOUTH REGION

Teresa Williams

NBDPA VICE PRESIDENT

MIDWEST REGION

Michael Wulf

NBDPA VICE PRESIDENT

WEST REGION

John Malonson III

SECRETARY

Glenda Chappell

NBDPA CIO

Julius Clark, CISSP

BDPA EDUCATION & TECHNOLOGY FOUNDATION (BETF)

R. Wayne Hicks

Executive Director

FOUNDING PUBLISHER

MANAGING EDITOR

Perry Carter



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 August of 2014, the Information Technology Senior Management Forum (ITSMF) will convene its third quarter (3Q14) IT Senior Management Symposium in Indianapolis, Indiana, collocated with National BDPA's Annual Technology Conference and Career Expo.

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, and e-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: National BDPA, 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 Groupsites calendars, enhanced by Groupsites.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.



National BDPA Technology Conference 2014 at a Glance

Monday August 4:

- National Board of Directors (NBOD) Meeting
- National Executive Committee (NEC) Meeting

Tuesday August 5:

- BDPA Chapter Presidents' Meeting
- Indianapolis Innovators Panel
- National BDPA & Industry Leaders Reception

Wednesday August 6:

- Opening Ceremony
 - Dr. Randal Pinkett, Industry Keynote
- Youth Technology Camp
- HSCC and ITSC Orientation for Judges

Thursday August 7:

- IT Showcase
- Mobile App Showcase
- Youth Technology Camp

Friday August 8:

- National Career Fair and Tech Expo
- Mobile App Showcase
- Youth Technology Camp

Saturday August 9:

- National Career Fair and Tech Expo
- National Awards Gala:
- Annual Golf Tournament

Sunday August 10:

- #BDPA15 Pre-Registration
- Hotel Reservations for 2015 in Washington

Pre-Registration and Co-Hosts:

<http://www.bdpa.org/events/>

BDPA Apparel and Official Swag:

<https://bdpatoday.org/store.html>





*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.

We have a long history of drawing strength from our differences. In fact, *DiversityInc* has named us one of the Top 50 Companies for Diversity—an honor we've proudly held since 2010, when we were the first defense company to make the list.

Across our career areas and around the globe, we see the value of our performance every day. We are Northrop Grumman. And freedom is **at the heart of what we do.**

For opportunities in Engineering, IT, Assembly, and other career areas, visit careers.northropgrumman.com

©2013 Northrop Grumman Corporation. Northrop Grumman is committed to hiring and retaining a diverse workforce. We are an Equal Opportunity Employer, making decisions without regard to race, color, religion, sex, national origin, age, veteran status, disability, or any other protected class. U.S. Citizenship is required for most positions.

Join our Talent Community:

 LIKE NorthropGrummanCareers

 FOLLOW Northrop Grumman Corporation

 FOLLOW @NG_Careers

 SUBSCRIBE to our Channel: NorthropGrummanMedia

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN



NGA/GEOINT photo

▲ For the National Geospatial-Intelligence Agency (NGA), the Agency’s goal is to build an intelligence enterprise that delivers better, more predictive intelligence.

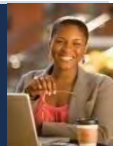
NGA Pivots to Futuristic Intel Apps GEOINTERNS wanted!

▲ “I am here today to say that: NGA is at a decisive moment in our history; NGA is driving intelligence integration; and NGA is leading the way from integration to the next phase of intelligence,” Director Laetitia Long said in her keynote speech during an annual gathering at a recent GEOINT symposium.

Long’s goal for the agency is to make geointelligence the foundation for America’s intelligence community’s analysis, providing more precise warnings and indicators, and allowing analysts to visualize any problems they face. She said in her speech she has moved “hundreds of millions of dollars within her budget” to make this possible.

See NGA page 10

#BDPA15
FY 2015



- **NGA Small Business Opportunities**
The goal of the **Small Business Innovation Research (SBIR)** program is to improve geospatial intelligence capabilities and tradecraft through advanced R&D solutions offered by small innovative companies. DoD’s SBIR program funds early-stage R&D projects at small technology companies — projects which serve a DoD need and have the potential for commercialization in private sector and/or military markets.
- **Student Member Opportunities**
[#ITShowcase](#) [#HSCC](#) [#GEOInterns](#)
- **BDPA Government Relations**
[#BDPADC](#) [#GovRel](#) [#NGA](#)
- **Discover more** ▶ bdpatoday.org



SiriusXM is committed to integrity, excellence, and diversity among its employees.

“To be as strong as possible, our employees need to reflect both the diversity of the work force at large as well as our own current and future subscriber base. Diversity is essential to ensure that a company represents and reaps the benefit of different voices, different experiences and different points of view. With diversity of thought, you lay the groundwork for the most vibrant collaboration and the greatest innovation.

Diversity is of particular importance to our Company. As the premier provider of audio content in this country, we have both the privilege and the obligation to provide content that is compelling to those subscribers that we have today and to those we want to have tomorrow. We need diverse voices in this Company to ensure that we know what is important to all of our potential listeners.

This is a Company where we want to value people’s differences and celebrate diversity. Diversity is not something that we can be passive about. Diversity must be actively pursued”.

 <http://www.siriusxm.com/Careers>

Mobile AppDev *continued from cover page*

The BDPA National Mobile Application Development Showcase allows student application developers the opportunity to participate in a competition that allows them to an opportunity to test their talents against others and develop a working, functional Mobile Application, at no cost to themselves. The applications being showcased will represent three different application categories (i.e. business, personal productivity, and gaming). Each category will have stringent requirements to be met in advance to participate in the showcase.

College and high school students have the opportunity to participate in this day-long event in conjunction with this year's 2014 National BDPA Technology Conference held in Indianapolis, IN. The focus of this event includes development on smartphones with Android operating systems.

Each student's projects will be judged in two major categories and three sub-categories. The competition and showcase are open to high school and college students. Their projects will be assessed by a panel of judges prior to the conference.

Monetary awards sponsored by State Farm will be given to the top high school and college participants. The awards will be presented at the awards presentation during the 2014 National BDPA Technology Conference Banquet Ceremony. Each participant will be recognized with a Certificate of Participation for their efforts.

In order to participate in the Mobile Application Showcase, students must complete NBDPA's requirements. Mobile



▲ (L-R) BDPA Central Illinois member Richard Watts III (University High School) earned first place and a \$6,500 scholarship from State Farm for his application and presentation. BDPA Cincinnati member Itobore Odje (University of Cincinnati) earned second place honors and a \$5,500 scholarship from State Farm for her application and presentation. Third place honors went to BDPA-DC member Bryan Bemley (Bowie State University) who earned \$4000 from State Farm for his mobile app during NBDPA's inaugural annual Mobile Application Development Showcase. **Photo: © BDPA by Charlie Perkins**

application trainers and mentors from industry and BDPA Chapters will work with each student to help them develop their project. Students must first contact NBDPA's Mobile Application Showcase team by email, to register their interest and intent in the program. NBDPA's team will make the final recommendation on the students' participation after their application is completed. Verification with their respective chapters and a brief project charter or executive summary are submitted. A total of 15 students (combination of high school and college) will be selected for the final National BDPA Mobile Application Development Showcase round. **bt**

bdpatoday



INTEGRATING WORLD-CLASS TECHNOLOGY IN MANUFACTURING

▲ **National BDPA will host its 2014 Technology Conference and Career Expo in Indianapolis, Indiana:** The state's government bodies behind *Indiana's Technology Corridor* have a solid understanding of the value that healthy companies create for our communities and residents. State and local agencies offer generous incentive programs, and income and property taxes are very low when compared to other states. Indiana also has lower costs for Workers Compensation and other business insurance premiums. Visit **BDPA.org** to exhibit, pre-register, and volunteer. **bt**

Source: Indiana Technology Corridor.

NGA continued from page 7

NGA is currently accepting applications for its internship and scholarship programs. NGA's application period ends Oct. 10, 2014. BDPA Student Members are highly encouraged to apply.

To apply, visit <https://erecruit.nga.mil/>. **bt**

Sources: NGA.mil and BreakingDefense.com

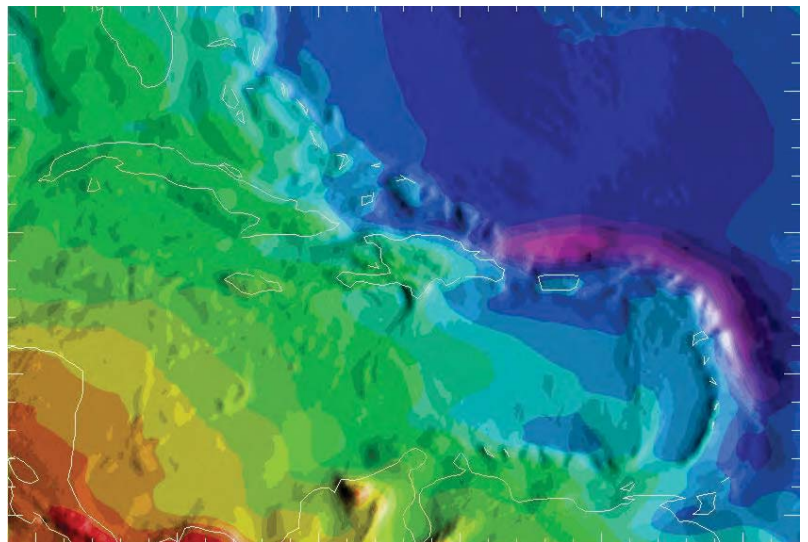


Photo: NOAA

▲ The CARIB97 model shown above is a high resolution gravimetric geoid height model covering the region 9-28N, 86-58W. It was computed for National Oceanic and Atmospheric Administration (NOAA) in a cooperative effort with the **National Geospatial-Intelligence Agency (NGA)** formerly known as the National Imagery and Mapping Agency (NIMA). In the Caribbean area, geoid heights range from a low of -71.0 meters over the Puerto Rico trench (magenta) to a high of 17.1 meters (red) in Costa Rica.





Are You Changing the World? We Are.

We're entering the next era of the Internet, the Internet of Everything, an era where we're creating unprecedented value by connecting the unconnected. It's a global industry phenomenon, driving the biggest market transition for Cisco and our customers through the intelligent connection of people, process, data, and things. It's where everything is converged on the Internet, making networked connections more relevant and valuable than ever before.

We are looking for sales professionals to join our world class team.

To find out more, visit: cisco.com/careers

Join the Conversations

facebook.com/CiscoCareers



**Achieve
MoreTogether**



Advance Planning Briefing for Interns (APBi)

Opportunities & Careers

INDIANA, USA—In today’s job market, experience will most likely give you the edge. But the question is, how do you get that experience when you’re just starting out? Enter **Lilly’s Internship Program** — step one in building BDPA Student Member resumes with experience that’s real-world and hands-on with one of 2014’s National BDPA Platinum Sponsors.



Most internships are located at Lilly’s corporate headquarters in Indianapolis and last 10 to 12 weeks from May until September. Lilly seeks top performers – those who can uphold the Lilly values and exemplify their global standards of leadership. Then Lilly matches you with projects based on their business needs and your skills and interests. As a Lilly intern, you will work on meaningful projects at one of the world’s top pharmaceutical companies. You will meet and interact with Lilly executives. You will receive competitive pay and free parking at your work site. If your position requires you to move, you may also receive help with housing and transportation costs. Discover more by visiting lilly.com. 


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.



Photo © Electronic Arts, Inc.

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



#BDPA14: Partner with us August 5-9, 2014
Indianapolis, Indiana | J.W. Marriott



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, & BDPA Cincinnati, BDPA-DC, BDPA Northern Virginia, BDPA Hartford
CSC	Computer Science, STEM-IC (Intelligence & Cyber), C5ISR	Spring 2015	BDPA Bay Area, BDPA DC, BDPA LA, BDPA Orlando, National BDPA West Region
EA Sports	Software Engineering, Application Development, Marketing internships	Spring 2015	BDPA Atlanta, BDPA Austin, BDPA Detroit and BDPA Phoenix (CIG)
General Motors	Information Technology and Communications internships	Now Open (since August 2013)	BDPA Atlanta, BDPA-DC, BDPA Huntsville, BDPA Orlando, BDPA San Diego (CIG)
HBCU/MI Project Office	CS-STEM or STEM-IC; able to obtain security clearances	Fall, Spring, & Summer	National BDPA Platinum Sponsor Illinois, Oklahoma, New Mexico & Texas
HCSC**	Associate Intern(s)	March 2015	National BDPA Platinum Sponsor BDPA-DC, BDPA NoVA with 3.2 GPA
HP**	STEM	Winter 2015	BDPA-DC, BDPA Greater Columbia, BDPA Southern Minnesota, BDPA Triangle
IBM	STEM "Extreme Blue"	Fall, Spring, & Summer	National BDPA Platinum Sponsor Speak with J&J reps at Regional Events
Johnson & Johnson**	All Majors	Winter/Spring 2015	BDPA-DC (Frederick, MD), BDPA-LA (Carlsbad, CA)
Life Technologies	Manufacturing, Supply Chain Management, Strategic Sourcing	Summer 2015	National BDPA Platinum Sponsor Meet Lilly reps at BDPA Events or on
Lilly**	Biology, Chemistry, Manufacturing, Supply Chain Management and more	Spring 2015	BDPA Rocky Mountain, BDPA DC, BDPA St. Louis
NEW - NGA	Undergraduate Student Internships and Scholarships	October 10, 2014	BDPA-DC & BDPA Northern Virginia; Interns must have strong GPAs
Northrop Grumman	C4ISR, Engineering, Health IT, Manufacturing, STEM-IC (Intel/Cyber)	Fall, Spring, & Summer	NBDPA, CONUS, or NROTC
Department of the Navy	All Majors	Fall 2014	BDPA Huntsville, BDPA-LA, BDPA Mass-Metro West (Boston)
Raytheon	C4ISR, STEM-IC, Systems Engineering, Communications	Fall, Spring, & Summer	BDPA-DC & BDPA-NY
SiriusXM Satellite Radio	Communications, Marketing, Multimedia, SATCOM and STEM	Fall & Spring	BDPA-DC & BDPA Northern Virginia
TASC	Analytical, Computer Science, STEM-IC	Spring 2015	

****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.

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. Partner with a BDPA Chapter or BDPA Chapter Interest Group (CIG) this summer **August 5 -9, 2014**, Indianapolis, IN at the J.W. Marriott. 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.



2014 National BDPA Technology Conference J.W. Marriott

BDPA

Indianapolis, IN • August 5-9, 2014

BDPA and Local ICT Industry Events Information & Communications Technology (ICT)

▶ **National BDPA Technology Conference**

August 5-9, 2014 – JW Marriott

Read more ▶ BDPA.org

Indianapolis, IN | Host Chapter: **BDPA Indianapolis**

▶ **DEFCON 22 + Black Hat Hacking Conference**

August 7-10, 2014 – Rio Hotel and Casino, Las Vegas

Read more ▶ DEFCON.org

Las Vegas, NV | Host Chapter: **BDPA Nevada**

▶ **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.

36th Annual National BDPA Technology Conference & Career Expo

AN ICT INDUSTRY EVENT | Indianapolis, IN • AUG 5-9, 2014

INDIANA, USA—This year's National BDPA Technology Conference *Host Chapter* is BDPA Indianapolis. 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. Whether you are in the job market or not, don't miss National BDPA's 36th Annual Technology Conference, Career Expo, reunions, and 39th BDPA Anniversary events in Indianapolis this August! 

November 16-21, 2014



SC14
New Orleans, LA | hpc matters.


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. 


Mark your calendars for XSEDE14, July 13-18, 2014

Georgia, USA

Atlanta, GA—The annual XSEDE conference brings together the extended community of individuals interested in advancing research cyberinfrastructure and integrated digital services for the benefit of science and society. XSEDE14 will place a special emphasis on recruiting and engaging under-represented minorities, women, and students as well as encouraging participation by people from domains of study that do not traditionally use high-performance computing.



▲ **IT Showcase** | BDPA photo © 2012

Sessions will be structured to engage people who are new to computational science and engineering, as well as providing in-depth tutorials and high-quality peer-reviewed papers that will allow the most experienced researchers to gain new insights and knowledge. 

Sources: XSEDE and SC14





© 2014 BDPA | photo by Charlie Perkins

▲ BDPA Atlanta Chapter President Derrick Brown (holding award) with National BDPA President Dr. Craig Brown (left), BDPA Atlanta's executive team, and National BDPA's Co-Founder Earl A. Pace, Jr. (right.)

Indianapolis, IN—National BDPA's Atlanta Chapter was voted the nation's best BDPA Chapter for 2014. BDPA Atlanta successfully captured National BDPA's 2014 Chapter of the Year Award by providing technical outreach programs to its community, small businesses, and Historically Black Colleges and Universities (HBCUs). BDPA Atlanta also won National BDPA's Community Service and Membership Management Awards for 2014.



Wells Fargo Selected as BDPA's 2014 Best Company for Blacks in Technology

Indianapolis, IN—Wells Fargo, nationally recognized as one of America's most reputable investment firms with a heritage of superior client service recently joined a



© 2014 BDPA | photo by Charlie Perkins
National BDPA President, Dr. Craig Brown (left) with Wells Fargo Executive Martin Davis receiving recognition as the 2014 'Best Company for Blacks in Technology' award.

list of top corporate Bronze sponsors at the 36th Annual National BDPA Technology Conference and Career Expo held on August 5-9, 2014 in Indianapolis. This is the sixth year, since 2008, Wells Fargo has sponsored National BDPA's programs and services in local communities. [bt](#)



© 2014 bdpatoday | photo by BDPADC


Washington, D.C.—Regional High School Computer Competition (HSCC) Champions from the National Capital Region, BDPA-DC, and BDPA NoVA competed with other top coders from across America during the National High School Computer Competition's scholarship rounds at the JW Marriott Indianapolis during the National BDPA (NBDPA) Technology Conference. America's top five HSCC teams for 2014 are **Washington (DC)**, **Greater Columbia (SC)**, **Southern Minnesota (MN)**, **Atlanta (GA)**, and **Cincinnati (OH)**. National HSCC Scholarship rounds include information and communications technology (ICT) theory question and answer sessions with industry trivia and current events. Application design, development, and test sessions begin upon receiving real-world desktop or mobile app requirements. HSCC modules are then followed by oral presentations with technical demonstrations to a panel of industry judges comprised of sponsors, hiring managers, or technical recruiters. **bt**

National BDPA's 2014 IT Showcase Winners Earn Scholarships from NBDPA Platinum Sponsor Johnson & Johnson



© 2014 BDPA | photo by Charlie Perkins

(L-R)—**Dr. Jesse Bemley**, BDPA IT Showcase Founder; **Alycia Hargraves** (Florida A&M University); **Nicholas Reid** (New York University); **Oladapo Onikuyide** (Greater Hartford Academy of Math and Science); IT Showcase First Place winner **Ogochukwu Eburuoh** (Bowie State University) and **Dr. Craig Brown**, President, National BDPA.



Massachusetts, USA
February 18-21, 2015
BDPA Northeast Regional

Boston 2015 ACM Richard Tapia Celebration of Diversity in Computing

Richard Tapia is a mathematician and professor in the Department of Computational and Applied Mathematics at Rice University in Houston, Texas. He is internationally known for his research in the computational and mathematical sciences and is a national leader in education and outreach. Tapia's current Rice positions are University Professor (only the sixth individual afforded this title in the 100-year history of Rice University), Maxfield-Oshman Professor in Engineering, Associate Director of Graduate Studies, and Director of the Center for Excellence and Equity in Education.

Tapia was born in Los Angeles to parents who separately emigrated from Mexico as young teenagers in search of educational opportunities for themselves and for future generations. The first in his family to attend college, Tapia went on to receive B.A., M.A. and Ph.D. degrees in mathematics from the University of California, Los Angeles. In 1967 he joined the Department of Mathematics at UCLA and then spent two years on the faculty at the University of Wisconsin. In 1970 he moved to Rice University where he was promoted to associate professor in 1972 and full professor in 1976. He chaired the department from 1978-1983. He is currently an adjunct faculty member of both Baylor College of Medicine and the University of Houston. Tapia has authored or co-authored two books and more than 100 mathematical research papers.


While at Rice, Tapia has directed or co-directed more underrepresented minority and women doctoral recipients in science and engineering than anyone in the country, and has led several programs that have brought recognition to the university's commitment to diversity. Since 1996, 60 underrepresented minority students have received Ph.D.s in science and engineering at Rice University. Tapia directs programs that are supported by the Alfred P. Sloan Foundation, the National Science Foundation, and other organizations that are designed to increase the number of underrepresented minorities obtaining graduate degrees in

science, technology, engineering and mathematics and enhance the preparation of underrepresented minorities for faculty positions in academia. At Rice, the NSF-supported Alliances for Graduate Education in the Professoriate has developed a supportive community of students and faculty members that gives advice on admissions to departments and provides students with formal and informal resources, support, and professional development. Professor Tapia is recognized as a national leader in diversity and has delivered numerous invited addresses at national and international mathematics conferences, served on university diversity committees, and provided leadership at a national level. Two professional conferences have been named in his honor, recognizing his contributions to diversity: Richard Tapia Celebration of Diversity in Computing conference and the Blackwell-Tapia Conference, whose founders described Tapia as a seminal figure who inspired a generation of African-American, Native American and Latino/Latina students to pursue careers in mathematics.

2015's Goal

The goal of the Tapia Conferences is to bring together undergraduate and graduate students, faculty, researchers, and professionals in computing from all backgrounds and ethnicities to:

- **Celebrate** the diversity that exists in computing;
- **Connect** with others with common backgrounds, ethnicities, disabilities, and gender so as to create communities that extend beyond the conference;
- **Obtain** advice from and make contacts with computing leaders in academia and industry;
- **Be inspired** by great presentations and conversations with leaders with common backgrounds.

Next year's conference theme is **Diversity at Scale** as the Tapia Conference celebrates efforts to move diversity in all aspects of computing beyond conversation and study into full practice and implementation. As a community, we recognize that we must scale our diversity efforts to fully utilize computing to address the larger problems faced by today's society. 

Discover more: <http://tapiaconference.org> .



*Are you looking for a job?
Or a future?*

Let's talk about building a rewarding career

You've got the passion. You've got the skills. Now you just need the right opportunity. At Wells Fargo, you'll have the chance to join a team of smart and talented people who share the same values. Our diverse lines of business offer a world of opportunity to expand your capabilities and advance your career. We invest in our people and provide an environment to learn and grow. Join the Wells Fargo team today. Visit our career site at wellsfargojobs.com/tog and let's start a conversation about your future.

We are proud to join the National Black Data Processing Associates in the 36th Annual BDPA Technology Conference.

Connect with us on Facebook, Twitter, LinkedIn, and YouTube.





Popular Technology | #SmallBusiness

TECH EXPRESSO

Listen. Learn. Leverage. Launch. Listen to *techXOradio* (technologyXpressO.com) to remain in touch with National BDPA throughout the conference. **bt**



▲ #BDPA14 | bdpatoday photo © 2014

(L-R) Co-host Jacqueline Sanders; Dr. Craig Brown, President, National BDPA; and co-host David Wali Blackman on site with Technology Expresso Cafe and BDPA i-Radio show.

NEW JERSEY, USA

Dr. Randal Pinkett to Keynote 2014 National BDPA Opening Ceremonies

Newark, NJ—Dr. Randal Pinkett, CEO of BCT Partners, and winner of season four of NBC’s reality television show *The Apprentice* in 2005, will keynote this year’s opening ceremonies in Indianapolis, IN.

BCT Partners is a multimillion dollar, management, technology and policy consulting services firm that works with corporations, government agencies and nonprofit organizations to improve organizational effectiveness and support strategies for change. BCT combines industry- and sector-specific knowledge with an unique ability to translate customer needs into innovative and transformative solutions.



BCT Partners is a minority-owned and operated SBA 8(a), small disadvantaged business (SDB) enterprise and one of America’s leading firms with expertise in the following industry sectors: *housing and community development, economic development, education, government, and human services*. Dr. Pinkett has served as the President and CEO of BCT Partners since 2001. **bt**



Diversity reflects who we are.

We are an insurance company dedicated to creating an inclusive environment full of many perspectives. A diverse workforce helps us learn, grow and share fresh insights. Travelers provides varied opportunities for employees to network and develop their leadership skills.

We invite you to consider joining us. You can apply for current openings at travelers.com/Careers.

Travelers was recognized by DiversityInc magazine for its commitment to diversity and inclusion.

TRAVELERS 
It's better under the umbrella®

travelers.com

© 2014 The Travelers Indemnity Company. All rights reserved. Travelers and the Travelers Umbrella logo are registered trademarks of The Travelers Indemnity Company in the U.S. and other countries. M-17282-15 Rev. 6-14

New Challenges Call for New Leaders



Opportunity, leadership and responsibility... Women in America's Navy are amongst those paving the way in redefining femininity in the 21st Century. To learn more about opportunities that are awaiting you please go to navy.com

AMERICA'S
NAVY

NAVY.COM | 1.800.U.S.A.NAVY

Hardware and Software
Engineered to Work Together



Oracle is proud to
support BDPA
Washington, D.C.

oracle.com/careers

ORACLE

Oracle Supports Workforce Diversity and is an Equal Opportunity Employer.



CAREER FAIR AND TECHNOLOGY EXPO

NATIONAL HIGH SCHOOL COMPUTER COMPETITION (HSCC)

NATIONAL IT SHOWCASE

@ JW MARRIOTT INDIANAPOLIS

#BDPA14

AUGUST 5 - 9, 2014 INDIANAPOLIS, IN

BDPA.ORG



2014 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 **2014 Annual Delegates Meeting** and your **36th Annual National BDPA Technology Conference**.

Our site for this year’s National BDPA Technology Conference shall be Indianapolis, Indiana—with BDPA Indianapolis serving as our Host Chapter. The JW Marriott Indianapolis is the official headquarters hotel for our assembly, Career Fair, Technology Expo, National High School Computer Competition (HSCC) scholarship round, National IT Showcase (ITSC) scholarship round, and our annual Youth Technology Conference (YTC.)

Said National BDPA Technology Conference shall take place during the time period August 5th through August 9th, 2014—with our formal Banquet and Awards Gala on the evening of Saturday, August 9th, 2014. BDPA Chapters, BDPA members, Corporate Sponsors, and stakeholders are hereby notified of the time and place for 2014’s National BDPA Technology Conference and Career Fair. Take full advantage of your annual memberships, discounts, and color sponsorships available to your organization in this year’s portfolio.

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

**Dr. Craig Brown
National President**





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
 fedsales@bdpadc.org
301.584.3135 x108



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.

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.



KNOWING MATTERS

Excellent Career Opportunities in the Following Fields:

- Computer/Electrical Engineering
- Computer Science
- Cybersecurity
- Information Assurance
- Mathematics
- Foreign Language
- Intelligence Analysis
- Cryptanalysis
- Signals Analysis
- Business Management
- Finance & Accounting
- Paid Internships, Scholarships and Co-op
- >> Plus other opportunities



Search NSA to Download



NSA

NSA.gov/Careers

APPLY TODAY

WHERE INTELLIGENCE GOES TO WORK®

U.S. citizenship is required. NSA is an Equal Opportunity Employer. All applicants for employment are considered without regard to race, color, religion, sex, national origin, age, marital status, disability, sexual orientation, or status as a parent.



Illinois



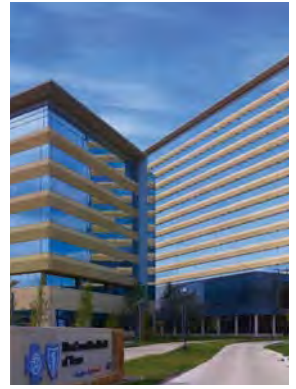
Montana



New Mexico



Oklahoma



Texas



BlueCross BlueShield of Illinois
BlueCross BlueShield of Montana
BlueCross BlueShield of New Mexico
BlueCross BlueShield of Oklahoma
BlueCross BlueShield of Texas

A BDPA Corporate Chapter,
 Gold Sponsor,
 Three-time winner of
 NBDPA Top Company for Blacks in Technology
 and
 Finalist for 2014 NBDPA Top Company for Blacks in Technology
 is proud to be a sponsor of the
 36th Annual Technology Conference and Career Expo
 and extends best wishes to all of the talented
 High School Competition Students!

Blue Cross and Blue Shield of Illinois, Blue Cross and Blue Shield of Montana, Blue Cross and Blue Shield of New Mexico,
 Blue Cross and Blue Shield of Oklahoma, and Blue Cross and Blue Shield of Texas
 Divisions of Health Care Service Corporation, a Mutual Legal Reserve Company, an Independent Licensee of the Blue Cross and Blue Shield Association



BRIGHT IDEAS

FROM EVERYONE, EVERYWHERE

CSC

**AS TECHNOLOGY MAKES OUR WORLD SMALLER,
IT ALSO MAKES OUR WORLD LARGER.**

Talented people collaborating in a dynamic setting — each bringing the strength of their unique experiences — means great technology ideas for a better world. At CSC, we know that creativity and innovation power our business success, which comes from helping our clients succeed in a global marketplace. By building a diverse workforce and fostering an inclusive culture, we build on our global reach and add to our sphere of influence.

To learn more about the exciting career opportunities awaiting you at CSC, visit csc.com/careersus

CSC is an Equal Opportunity Employer M/F/D/V.

“Throughout my career, I feel like I’ve been able to add value to the company and make a true impact many different ways.”

- Vincent, Information Technology



Produce More. Conserve More. Improve Lives.

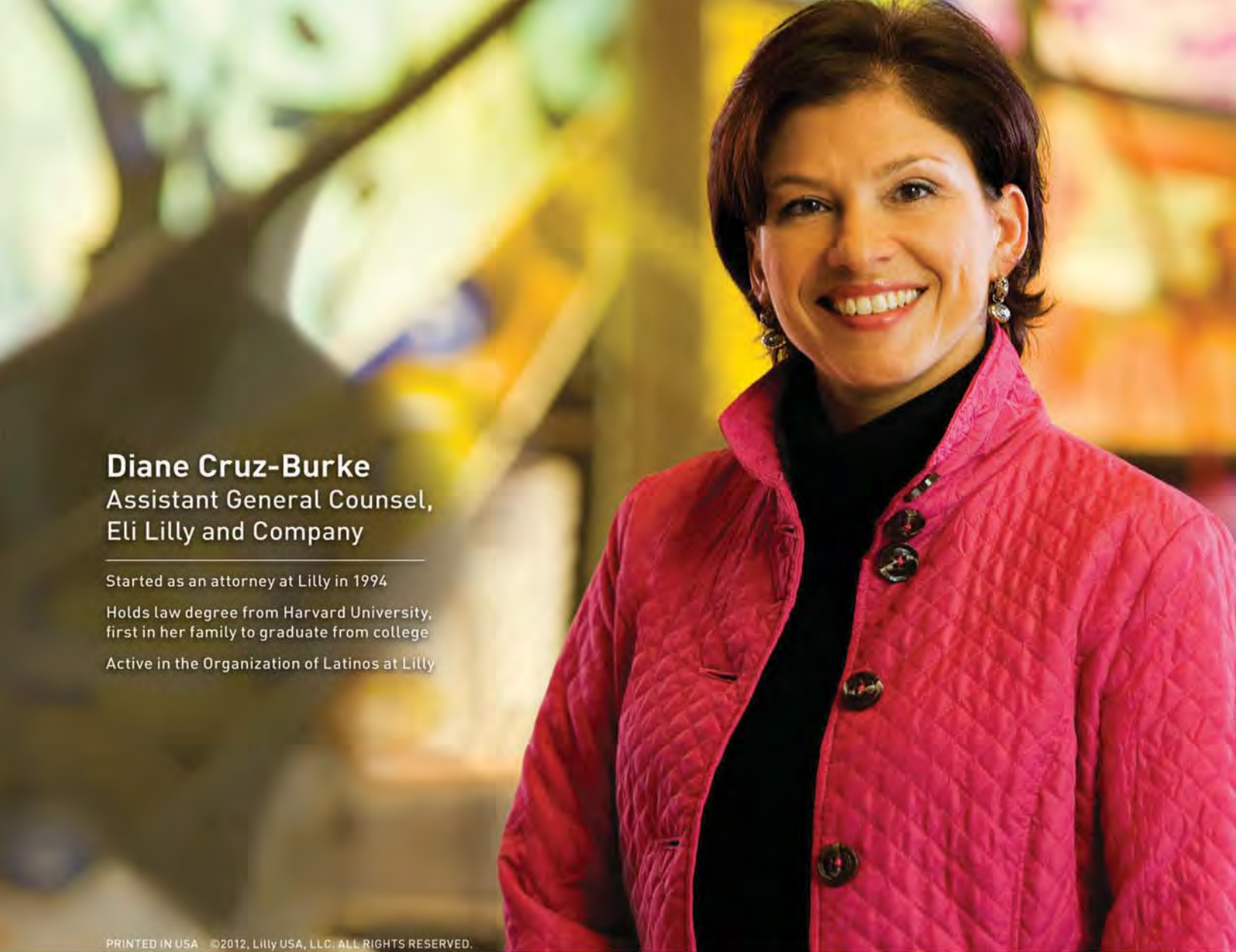
The Information Technology team at Monsanto integrates technology and scientific expertise into our efforts to revolutionize plant breeding and biotechnology. As an IT professional with Monsanto, the work you perform will be interesting and challenging, and you’ll be involved in the development of new systems and applications. Working in Monsanto IT, you can feel proud that the work you do directly affects Monsanto and helps to support our goals of producing more, conserving more and improving lives all across the globe. Are you ready to begin?

Start right now: jobs.monsanto.com/IT



MONSANTO



A portrait of Diane Cruz-Burke, a woman with short dark hair, smiling warmly. She is wearing a bright pink quilted jacket over a black turtleneck. The background is a soft-focus indoor setting with warm lighting and colorful elements.

Diane Cruz-Burke
Assistant General Counsel,
Eli Lilly and Company

Started as an attorney at Lilly in 1994

Holds law degree from Harvard University,
first in her family to graduate from college

Active in the Organization of Latinos at Lilly

PRINTED IN USA ©2012, Lilly USA, LLC. ALL RIGHTS RESERVED.

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.

lilly.com

Lilly
Answers That Matter.

The future is defined by what you do today.

Success in education requires more than the best products on the market. It calls for complete technology solutions developed to an institution's specific requirements. At HP, we provide solutions that prioritize the academic and professional achievements of students, educators and staff, enabling them to do what matters most: empower the future.

To learn more, go to hp.com/go/hied

HP is proud to be a Platinum Sponsor for the 35th Annual National BDPA Technology Conference.



inside your 2014 Conference edition



- **2014 National BDPA Technology Conference and Career Expo**
#BDPA14 Preview and Registration
- **BDPA Indianapolis**
Host Chapter
- **Great moments with BDPA**—BDPA Chapters are planning and preparing for 40-Year National BDPA celebrations to commemorate BDPA's and ICT industry's success stories from 1975 through 2015.

Founded in 1975, National BDPA (NBDPA) enters its fifth decade in 2015 with a 21st century mission to bridge emerging technology competency gaps in underserved communities. Critical areas of concern include information and communications technology (ICT), application development, cyber security, and telecommunications. Local BDPA Chapter objectives across national regions are to identify ICT and related industry pipeline challenges, then provide technical, professional, and infocentric training programs with educational outreach services for BDPA Members and area youth. Success stories transcending respective metropolitan areas in direct support of technology inclusion (**TECH-Inclusion**) initiatives and next-generation workforce (**NGWF**) development are published monthly in digital-print editions of *bdpatoday*.

ATLANTA	BALTIMORE	BATON ROUGE	BAY AREA	BOSTON (Metro-West)	CENTRAL ILLINOIS
CHARLOTTE	CHATANOOGA	CHICAGO	CINNCINATTI	CLEVELAND	COLUMBUS
DALLAS	DAYTON	DETROIT	D.C. (Washington)	FORT WAYNE	GREATER BIRMINGHAM
GREATER COLUMBIA	GREATER TAMPA	HAMPTON ROADS	HARTFORD	HOUSTON	HUNTSVILLE
INDIANAPOLIS	LOS ANGELES	MEMPHIS	MIDDLE TENNESSE	MILWAUKEE	NEVADA
NEW JERSEY	NEW YORK	NORTHERN DELAWARE	NORTHERN VIRGINIA	ORLANDO	PHILADELPHIA
PITTSBURGH	RHODE ISLAND	RICHMOND	SEATTLE	SOUTH FLORIDA	SOUTHERN MINNESOTA
ST. LOUIS	TRIANGLE (RTP)	TWIN CITIES (MN)			

bdpatoday

611 Pennsylvania Avenue, S.E., #213
Washington, D.C. 20003-4303 USA
www.bdpatoday.org

NON PROFIT ORG
U.S. POSTAGE
PAID
WASHINGTON, DC