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Careers in IT: Baltimore to Host 2012 NBDPA Technology Conference



Annual National BDPA Technology Conference and Career Expo

BALTIMORE, MARYLAND August 1-4, 2012

Featured Site HBCUMedia.org

The Center for HBCU Media Advocacy, Inc.

The Center for HBCU Media Advocacy, Inc., in partnership with historically black colleges and universities, a vast social networking community, and an independent online media company, advocates for HBCUs to develop and enjoy a vibrant, national media presence. Believing that balanced and accessible media coverage is the core of developing higher education's relevance in popular culture, the Center provides daily coverage and analysis of all 105 historically black colleges and universities (HBCUs) across the United States.


The Center for HBCU Media Advocacy, Inc has a three-tiered vision of execution to accomplish its mission:



THE CENTER FOR HBCU MEDIA ADVOCACY, INC.

- To expose students, alumni, administrators and supporters of HBCUs to news, current affairs, research, arts, politics, culture, and financial issues influencing and being influenced by these institutions.
- To provide HBCUs and their constituents with resources to enhance their public relations and communications ability with social networking and media communication strategies.
- To facilitate scholarship access, internships, conferences and training seminars to develop minority journalists studying at historically black colleges and universities in understanding and utilizing new media. *Source: HBCU Media*





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Patrick, IT Analyst Global Web QA, began with Johnson & Johnson in a leadership development program. Now a mentor himself, Patrick passes his experience and insights on to others.

“Teamwork is part of the culture at Johnson & Johnson, and I have always felt like an important member of my team. The people I work with have helped shape my career, but have also promoted a good balance between my work and home life. I volunteer in the community, take part in formal and on-the-job training opportunities, and attend conferences, all of which enable me to grow both personally and professionally. It's a good feeling to know that my personal development and interests are supported by my company.”

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IT BRACKETOLOGY | Supporting local BDPA Chapters, HSCC Teams, and ITSC Schools

Our pre-registration campaign is underway and is now open for 2012 ICT, Cyber, and STEM professionals and educators to attend the National BDPA Technology Conference, Career Expo, IT Showcase (#ITSC,) and the National High School Computer Competition (#HSCC) Championship round. This year's NBDPA Conference Headquarters is the Hilton Baltimore, in Baltimore Maryland from August 1-4, 2012. During this year's events, attendees are encouraged to discover new technological advances across all industry segments and evaluate exciting new career opportunities in the *Post-Digital* era with new degrees, Industry certifications, or security clearances. For sponsorship, exhibiting opportunities, and pre-registration, visit www.bdpa.org or follow our teams on Twitter @BDPA_Conference, @BDPA, and @bdpatoday.

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. 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 **1.800.727.2372 (BDPA)**. **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 ©NBDPA, ©BDPA-DC, ©Corbis, ©Getty Images, and ©JupiterImages™. Cover graphics, photos and logos: The White House, Center for HBCU Media Advocacy, 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. Advertisements, announcements, OP-EDs, or following NBDPA on social media does not constitute an endorsement. Contributor opinions are not necessarily those of NBDPA.

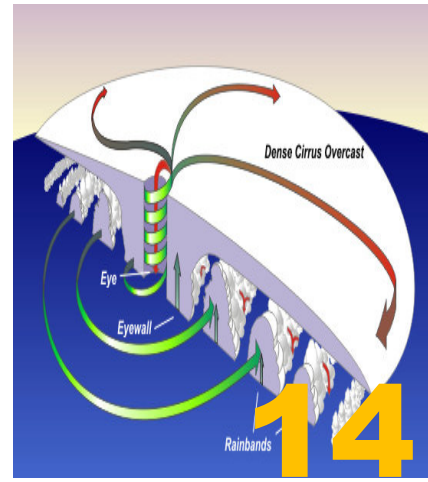




More "Top Coders" are needed to meet demand for new Apps



How Historically Black Colleges and Universities are preparing our nation's next generation for industry's "Post-Digital Era"



Computer Modeling, Simulation and Weather Forecasts

PRESIDENT'S MESSAGE

- 6 **Conference 2012 Conference Call!** ▶ Industry Executives, Community Leaders, and Regional BDPA Chapter directorates welcome stakeholders and embrace stronger industry partnerships.

INDUSTRY NEWS

- 7 **Trends** ▶ *Algorithm Competitions and Tournament Labs:* TopCoder, NASA and Harvard Business School have created a virtual platform environment in which governments and public sector clients can use communities to conceptualize, build and manage real digital solutions and realize faster turnaround, higher quality and greater ROI.

8

COVER STORY

Historically Black Colleges and Universities

Stepping up to prepare alumni and our next generation for a *Post-Digital Era*

8



First Lady Addresses Class of 2012

First Lady Michelle Obama—First Lady invokes example of the "Greensboro Four" in her commencement address to North Carolina A&T University's class of 2012.

14

PUBLIC SECTOR SPECIAL FEATURE

Government Relations: **WEATHER.gov**

U.S. Department of Commerce STEM Update: *2012 Hurricane Season*

14

Upcoming NBDPA and ICT Industry Events

NBDPA Industry and STEM Events Calendar





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2012



2012 Conference Call



By virtue of the authority vested in me as National President of NBDPA and in accordance with the mandates of Article IX, Section 3 of the National By-Laws of the NBDPA; it is my distinct pleasure to announce the call for assembly of the 2012 Annual Delegates Meeting and your 34th Annual National BDPA Technology Conference.

Our site for this year's National BDPA Technology Conference shall be Baltimore, Maryland—with BDPA Baltimore serving as our Host Chapter. The Hilton Baltimore 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 Youth Technology Conference (YTC.)

Said National BDPA Technology Conference shall take place during the time period August 1st through August 4th, 2012—with our formal Banquet and Gala on the evening of August 4th. Dr. Ernest L. McDuffie, who leads the National Initiative for Cybersecurity Education (NICE) at the National Institute of Standards and Technology (NIST,) will be our distinguished guest of honor and keynote speaker.

All BDPA Chapters, BDPA members, sponsors, and stakeholders are hereby notified of the time and place for your 2012 National BDPA Technology Conference and Career Fair. Take full advantage of your annual member discounts and color sponsorships available for your organization in this year's portfolio. All 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 reunion and industry meetings this August in Baltimore!

Monique F. Berry

Monique F. Berry
National President
NBDPA

INDUSTRY NEWS

Big Data, Cyber, Mobile Apps,
and Algorithm Competitions
Coders Wanted



Glastonbury, CT — TopCoder®, Inc., the leader in online programming competition, skills assessment and competitive software development, partners with NASA and the Harvard Business School to establish and maintain a distributed Center of Excellence for Open Innovation to address the collaboration and innovation needs and challenges of the United States Government and to implement new acquisition models that affect every aspect of Government processes—from funding to acquisition, contracts, and reporting. The Center of Excellence is envisioned as a Government-led activity to unify the efforts of multiple U.S. Government Agencies working to implement new distributed innovation acquisition models with the prime objectives of educating and evangelizing U.S. Government agencies on the power of open innovation, providing program implementation guidance to those agencies and showing measurable impact of the program success. At the request of the Administration, NASA also is expanding the TopCoder powered NASA Tournament Lab (NTL) program to provide access to the same high level of Community expertise to all federal agencies and departments.

Source: topcoder.com 



Trending: *Society's "Post-Digital" Era.* Do you want to share more on this topic? Join us during this year's **National BDPA Technology Conference** at the Hilton Baltimore in Baltimore, Maryland, from August 1st to the 4th, 2012.

Washington, D.C.—NBDPA Sponsor, Deloitte coined a new phrase for today's world earlier this year: The "post-digital" era. We are now in a time that is being shaped by transformations and paradigm shifts within ICT and related industries which will yield unprecedented opportunities for entrepreneurs and ICT professionals.

Deloitte's annual *Technology Trends* report examined technology put to practical business use. Their theme for this year, *Elevate IT for Digital Business*, examined the broad impacts of five technology forces that have influenced their reports over the past several years – **analytics, mobility, social, cloud and cyber security.**

Trends for 2012 were grouped into two distinct categories: *Disruptors* and *Enablers*. **Disruptors** are technologies that can create sustainable positive disruption in IT capabilities, business operations and sometimes even business models. **Enablers** are technologies in which many CIOs have already invested time and effort, but which warrant another look this year because of new developments. Enablers may be more evolutionary than revolutionary, but the potential is there to elevate one's business game with technology.

Source: deloitte.com 

HBCU's Entering the *Post-Digital* Era

Academia to embrace STEM-IC (Intelligence & Cyber,) Cloud, Mobile, and Social Media Strategies for today's Workforce

Baltimore, MD—Morgan State University has been selected to receive a five-year, \$1.8 million federal grant to begin a degree program in national security.

The Office of the Director of National Intelligence's (ODNI) Intelligence Community Centers of Academic Excellence Program chose Morgan State university and the University of South Florida to be awarded with grants to establish programs in National Security Studies.

The National Security Studies program will be aimed at honing skills needed in the intelligence community such as international relations, foreign language and cultural immersion, scientific and technical programs of study, including cyber security.

Joseph Whittaker, dean of Morgan's School of Computer, Mathematical and Natural Sciences, said in a statement the award provides a tremendous opportunity for the East Baltimore school.

"This will be critical as the State of Maryland positions itself to become the central axis of the nation's cyber security and cyber infrastructure community," he said.

Under its five-year grant deal, Morgan will establish a consortium of historically black schools in Maryland, Virginia and North Carolina to do research in human terrain systems and bio-systems with specific applications to South Asian countries such as Afghanistan, India, Bangladesh, Nepal and Pakistan.

The National Security Studies Program was established during 2005 in response to the nation's increasing need for professionals in the intelligence community (IC) who are educated and trained with the unique knowledge, skills and capabilities to carry out America's national security objectives. **bt**



Chancellor Harold L. Martin Sr. presents First Lady Michelle Obama with a hood signifying her honorary degree following her commencement address during the North Carolina Agriculture and Technology State University commencement ceremony in Greensboro, N.C., May 12, 2012. (Cover and are above official White House photos by Chuck Kennedy.)

Greensboro, NC—First Lady Michelle Obama invoked the example of the "Greensboro Four" in her commencement address to North Carolina A&T State University's class of 2012.

More than half a century ago, four A&T students started the movement that led to desegregation at lunch counters across the country, and Mrs. Obama said this shows what can happen when someone decides to "wake up and change the situation." The First Lady challenged the students to follow their lead.

Mrs. Obama also challenged each member of the graduating class to think about what's important, and ask themselves three questions:

- Who are you going to be?
- What's going on in the world around me? and
- How can I help?

The answers, she said, would help the graduated keep their bearings as they advanced in their careers and in their lives as citizens. **bt**

A large, weathered metal compass rose is positioned on the right side of the page, pointing towards the top right. The cardinal directions are marked with stylized letters: 'N' for North, 'E' for East, 'S' for South, and 'W' for West. The background is a clear blue sky with some light clouds. A large, semi-transparent blue triangle is overlaid on the left side of the image, containing the main title text.

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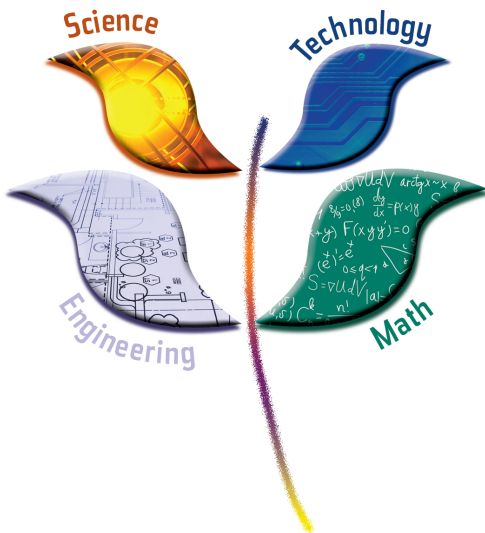
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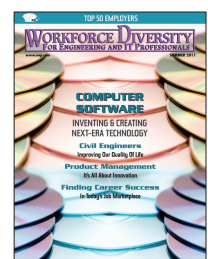
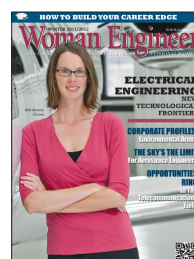
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and *Workforce Diversity* for

Engineering and IT Professionals





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VentureBeat

David Adewumi, contributing writer, Venturebeat

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Upcoming BDPA & ICT Events

► INTEROP 2012

May 6-10, 2012,

Las Vegas, NV | **BDPA Western Region**

► DISA Mission Partner Conference 2012

May 7-10, 2012,

Tampa, FL | **AFCEA + BDPA South Region**

► SAPHIRE NOW + ASUG Annual Conference 2012

May 14-16, 2012,

Orlando, FL | **BDPA Orlando**

► LISTA 's National Emerging Technology Leadership Summit and Latino Technology Achievers Awards 2012

May 23-24, 2012,

Atlanta, GA | **SHPE Atlanta + BDPA Atlanta**

► TechNET Europe 2012

"Special Aspects of Cyber Defence"

May 30-31, 2012,

Prague, Czech Republic | **AFCEA + BDPA OCONUS**

► Regional BDPA Technology Conference and IT Showcase (ITSC)

June 14-16, 2012

Washington Navy Yard, DC and

Bowie State University | **BDPA Northeast Region**

► XSEDE 12 Conference (formerly TeraGrid)

Extreme Science and Engineering Discovery Environment

July 16-20, 2012

Chicago, IL | **XSEDE + BDPA Chicago**

► **National BDPA Technology Conference**

Career Expo, IT Showcase, HSCC Championship Rounds, Youth Technology Conference

August 1-4, 2012,

Baltimore, MD | **BDPA Baltimore**

► SC12 | Supercomputing 2012

November 10-16, 2012,

Salt Lake City, UT | **SC12 + JEF + BDPA Western Region**

Visit bdpa.org Groupsites for more events...

Source: [NBDPA](#) and [BETF](#)

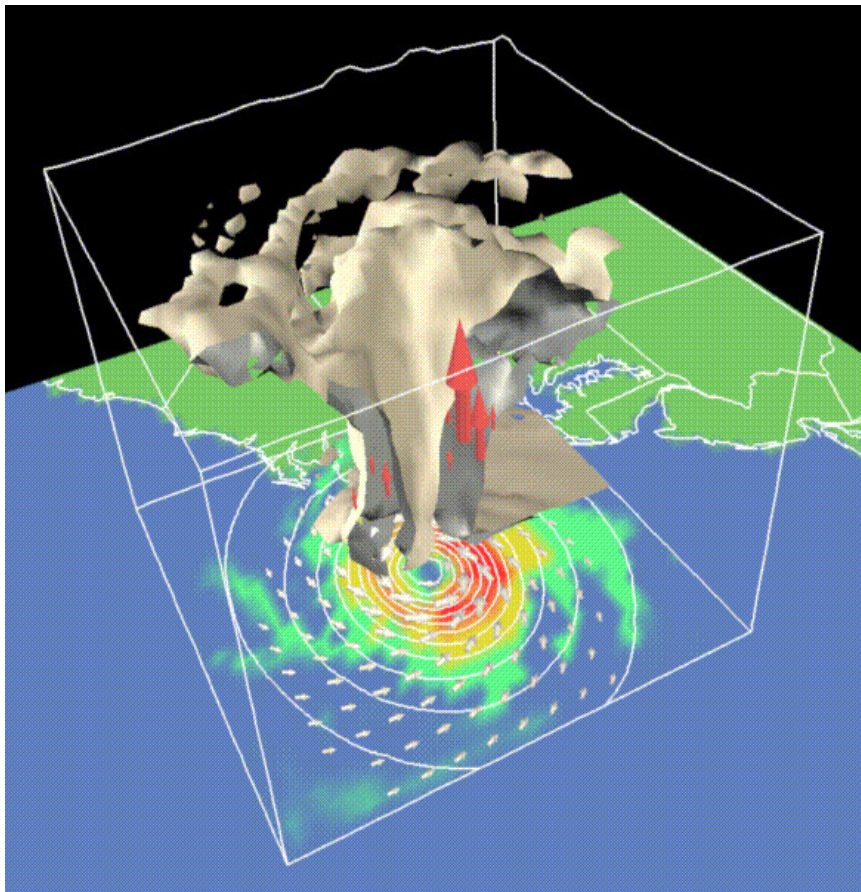
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MISSION

The National Weather Service (NWS) provides weather, hydrologic, and climate forecasts and warnings for the United States, its territories, adjacent waters and ocean areas, for the protection of life and property and the enhancement of the national economy. NWS data and products form a national information database and infrastructure which can be used by other governmental agencies, the private sector, the public, and the global community.



Three-dimensional view of Hurricane Emily from 1993 data, near North Carolina as modeled by the hurricane prediction system. – **NOAA**.

CAREERS @ NOAA & NWS

The National Weather Service offers a variety of career opportunities. Vacancy announcements and information on how to apply for positions as meteorologists, computer specialists, and hydrologists are posted on NWS' [Careers Page](#). There are also a number of opportunities for students; these programs are described on our [Student Employment Page](#).

bt

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