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IT Showcase

IBM and Eli Lily and Company are co-sponsoring NBDPA's 2010 IT Showcase.

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HSCC Preview

BDPA's Southern Minnesota Chapter has won three consecutive National High School Computer Competition (HSCC) awards. Which teams will rise to challenge this year?

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In-Kind Donations

BDPA Chicago receives personal laptop computers from The Boeing Corporation for their Chapter's SITES program.

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35th Anniversary

BDPA

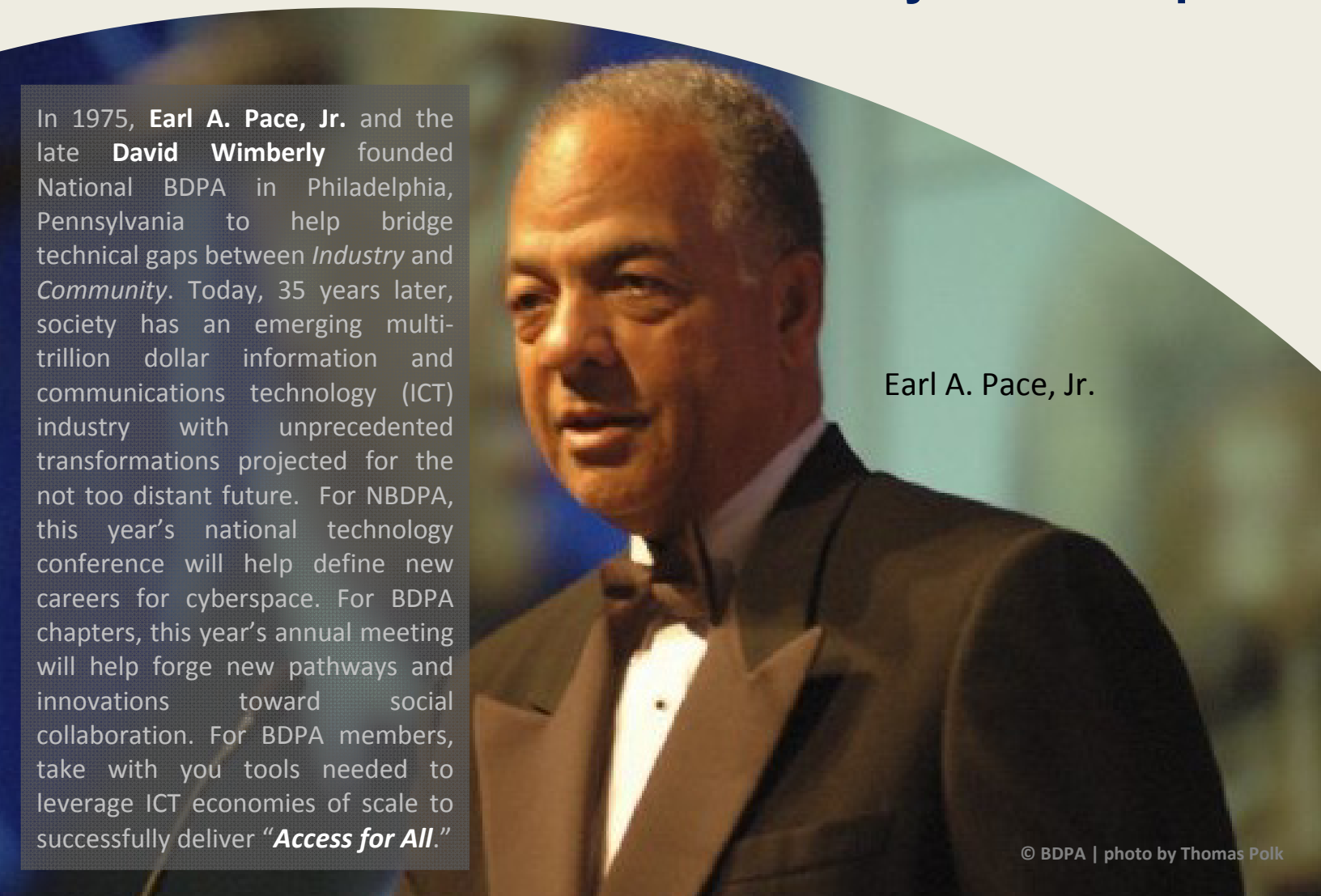
2010 National Technology Conference

bdpatoday

Volume 35
July 2010
Conference Edition

NBDPA to Celebrate its 35th Anniversary in Philadelphia

In 1975, **Earl A. Pace, Jr.** and the late **David Wimberly** founded National BDPA in Philadelphia, Pennsylvania to help bridge technical gaps between *Industry* and *Community*. Today, 35 years later, society has an emerging multi-trillion dollar information and communications technology (ICT) industry with unprecedented transformations projected for the not too distant future. For NBDPA, this year's national technology conference will help define new careers for cyberspace. For BDPA chapters, this year's annual meeting will help forge new pathways and innovations toward social collaboration. For BDPA members, take with you tools needed to leverage ICT economies of scale to successfully deliver "***Access for All***."



Earl A. Pace, Jr.

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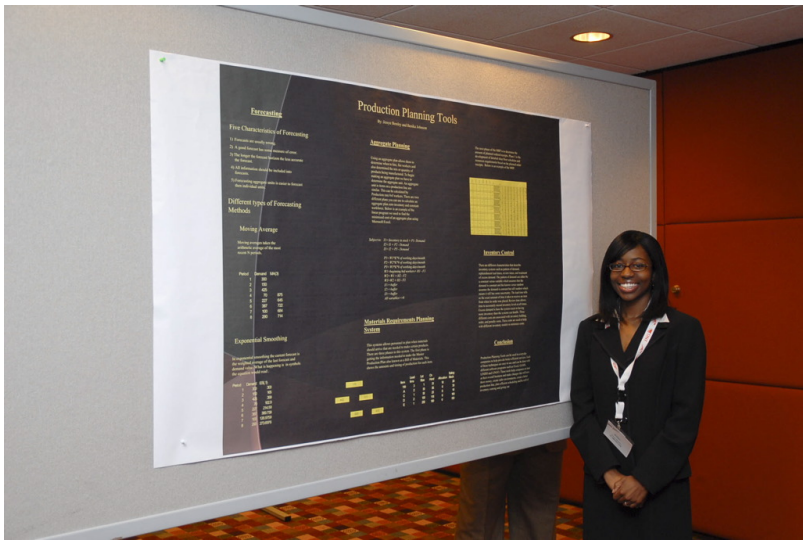

bdpatoday photo ©BDPA by Thomas Polk

BETF — IBM and Eli Lilly and Company are sponsoring the 2010 BDPA IT Showcase (ITSC). NBDPA's ITSC provides sponsors an opportunity to establish relationships with some of the most innovative African American high school and college students. Our young people in the IT Showcase have potential to become Ph.D. candidates in the hard sciences.

Our nation has few African American Ph.D. candidates in computer sciences, science, technology, engineering or mathematics (CS-STEM). Therefore, the BDPA Education and Technology Foundation (BETF) in partnership with BDPA leverages its blog to promote this program and these students, perhaps to help inspire more African American Ph.D. candidates to pursue CS-STEM disciplines in the future!

Jessye Bemley (above) was a senior attending North Carolina A&T State University when she competed in the 2008 BDPA ITSC.

See *ITSC2010* on **page 5**

Our Next MBE & IT National Career Event

National BDPA (NBDPA) will convene their 32nd Annual National BDPA Technology Conference, National High School Computer Competition (HSCC), National IT Showcase (ITSC), Youth Technology Camp, National Career Fair and Technology Expo from July 28 to July 31, 2010. The Philadelphia Marriott Downtown in Philadelphia, PA will serve as this year's conference headquarters. Admiral Gary Roughead, U.S. Navy, Chief of Naval Operations, will deliver the keynote address during the Annual Awards Gala, Saturday, July 31, 2010. See story on page 12.

NBDPA members and stakeholders continue to network throughout these national events to form special interest groups (SIGs) within their respective regions. BDPA Chapters provide technical and professional support along with professional development services while cultivating strategic industry partnerships. Visit our national Groupsite and other local chapter sites for events and related industry announcements. For more details covering local BDPA Chapter events, bookmark your NBDPA website at www.bdpa.org for event locations or call the national office at 800.727.BDPA (2372).

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National High School Computer Competition
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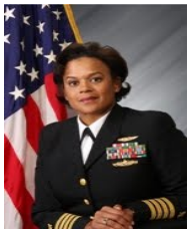
AIR FORCE CIVILIAN SERVICE

NBDPA Salutes 2010 Individual Epsilon Award Winners

Career Achievement

Wheeler Coleman,
Chief Technology Officer
Health Care Service Corporation



Captain Joyce Robinson,
Commanding Officer
United States Navy

Community Service

Donald Brown,
Systems Manager
Prudential Financial

Sheila Marionneaux,
Sr. Program Manager
Health Care Service Corporation (HCSC)

Outstanding Technical Contributions

Sharon Murphy,
Director of Team Enablement Technology
Wells Fargo Bank

Cheryl Terry,
Systems Architect
Wells Fargo Bank

Professional Achievement

William Marcus King,
Director
State Farm Insurance

IBM & Eli Lilly and Company

ITSC2010, from page 3

She was finishing course work for her Bachelor's Degree in Industrial Engineering. On-campus she is active in the North Carolina A&T Fellowship Gospel Choir, National Society of Black Engineers (NSBE) and Institute of Industrial Engineers (IIE).

At Joint Educational Facilities (JEF) her subject areas were Expert Systems, Neural Networks and Wearable Computing. She has also participated in numerous national and international engineering, scientific and computing conferences, symposia, and meetings. She has done research at the Naval Research Laboratory under the apprenticeship of Dr. George Carruthers in Space Science.

At North Carolina A&T she was part of the North Carolina Louis Stokes Alliance for Minority Participation (NC-LSAMP) Program, where she does undergraduate research under Dr. L. Davis, her advisor, in Operations Research. She also participated in an NSF Research Experiences for Undergraduates (REU) internship in industrial engineering at Auburn University. Her project entailed working with decision models that would solve problems in the Automotive Industry.

Last summer Jessye volunteered to help with the DigiGirlz Camp sponsored by Microsoft to inspire girls to become interested in computing, engineering and sciences. Today Jessye is a graduate student at North Carolina A&T State University in the field of Industrial Engineering with a concentration in Operations Research. bt

Will Southern Minnesota Win NBDPA's 4th Consecutive National HSCC Title?

Rochester, MN—BDPA's Southern Minnesota (BDPA-SMN) Chapter has won three consecutive National High School Computer Competition (HSCC) awards. Which teams will rise to challenge this year? Competing Chapter HSCC Teams face a driven team of high school students from Rochester, MN who placed first in the last three national HSCC competitions and earning a total of $12,500 in scholarships and prizes in Raleigh, North Carolina. Led by Zack Garbow and supported by a number of volunteers, the Youth Computer Training Program (YCTP) teaches web programming techniques to students from 7th to 12th grade.

NBDPA HSCC teams may have 3 to 5 students. There is only one team per Chapter. The teams have an oral question and answer session and must develop a web based application and formally present their solutions based on a set of specifications provided to the teams during the day of the competition. Each team has 8 hours to design, develop, deploy and validate their application. BDPA-SMN has a stellar record in the HSCC since 2003 and has always captured first or second place.

Business intelligence and other indicators project the top 10 leading HSCC contenders for a National HSCC Title in 2010 include BDPA teams (alphabetically) from Atlanta, Baltimore, Charlotte, Chicago, Detroit, New York, Philadelphia, Southern Minnesota, Twin Cities, and Washington, D.C. Success factors include, but are not limited to, training facilities, corporate support, breadth and depth of team, chapter HSCC leadership, community support, and Regional HSCC participation. bt

In Tough Economic Times, Military Veterans Answer Local Calls to Duty by Empowering Non-Profits Within U.S. Communities

Philadelphia, PA – Since its inception in 1975, NBDPA, and many non-profit organizations (NPOs) like it have had volunteers come and go. However, within BDPA's ranks across the United States, several chapters have been fortunate enough to have military veterans answering local NPO calls to duty to help fill voids, lead projects, chair committees, or provide assistance to local communities where it is most urgently needed. What follows is an executive summary of a few BDPA Veterans, their current or previous roles, and contributions as active members to NBDPA over the past 35 years. Met some of them during this year's National BDPA Technology Conference at annual Carrer Fair or during 35th Anniversary Awards Gala receptions, Saturday, July 31st, 2010.

The Honorable B. J. Penn
United States Navy
Lifetime BDPA Member
- **Acting Secretary of the Navy**
- **Lifetime Achievement Award**
- **2009 NBDPA Keynote Speaker**

Dr. Jesse Bemley
U.S. Army | Vietnam
BDPA Washington, D.C.
Founded NBDPA's High School Computer Competition (HSCC), founded NBDPA's IT Showcase; introduced TeraGrid concepts and Supercomputing to NBDPA, served as a Chapter President; publishes NBDPA's Technical Conference Proceedings.

Dr. William Bundy
U.S. Navy
BDPA Rhode Island
Served as an NBDPA Outside Director, developed Epsilon Awards program, developed and launched BDPA IT Institute with Auburn University, served on NBDPA award selection boards and NEC

Perry Carter
U.S. Marine Corps
BDPA Washington, D.C.
Served on Government Relations teams, Conference Chairman, Chief HSCC Judge, and launched 800.727.BDPA; Chapter President, Student Chapter Co-Founder, NBDPA's first webmaster, founding publisher of **bdpatoday**

Arvilla Crawford
U.S. Air Force
BDPA Dayton
Serves as Chapter Liaison for corporate relations, Chapter Sponsor, Chapter Outside Director, and assists chapter HSCC Directors

Mark Di Francisco
U.S. Army | SOF
BDPA Seattle
Serves as NBDPA liaison to Society of Information Management (SIM); President of Premier Event Management, the firm which facilitates the CIO Forum & Executive IT Summit.

John Hoffler
U.S. Navy
BDPA Greenville
Currently serves as National Director of Professional Development; served as Chapter President (BDPA Greenville and BDPA St. Louis); is an NROTC graduate from M.I.T. with a degree in Physics.

Howard James, Jr.
U.S. Army
BDPA Philadelphia
Served as Chapter President, Chapter Executive Committe and NBOD Member; Chapter Sponsor and Student Chapter Mentor/Liaison

Joseph MacMahon
U.S. Navy
BDPA Hampton Roads
Co-Founded two BDPA Chapters: BDPA Baton Rouge and BDPA Hampton Roads; serves as Chapter President, Chapter Sponsor; NBDPA liaison to U.S. Navy

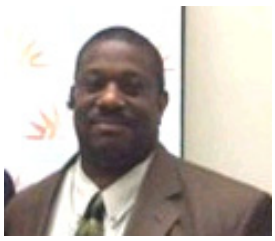
Jose Márquez-Leon
U.S. Army
BDPA Atlanta | LISTA
National President and CEO of LISTA (Latinos in Information Sciences and Technology Association); Government Relations; NBDPA liaison to Congressional Hispanic Caucus

Norman Mays
U.S. Army
BDPA Cleveland
Co-Founded two BDPA Chapters: BDPA Washington, D.C. and BDPA Cleveland: established *BDPA IT Corps* for international relations

Pablo More
U.S. Navy
BDPA Orlando
Chapter Presidents' Liaison to NBDPA Eecutive Committee; Chapter Sponsor; Chapter President and NBOD Member

Curtis Roberts
U.S. Navy
BDPA Washington, D.C.
National HSCC Logistician and On-site Operations; Education Committee/JEF; 2009 ComSci Fellow at NOAA

Louis Shack
U.S. Army
BDPA Washington, D.C.
2010 Chapter Member of The Year ; Regional HSCC Sponsor, Chapter HSCC Director, HSCC Instructor, and Chapter Sponsor



Michael K. Tyson
U.S. Marine Corps
BDPA Baltimore
HSCC Director, Chapter Sponsor, Chapter President; Regional HSCC Co-Sponsor

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U.S. Navy Admiral Gary Roughead, then Deputy Commander, U.S. Pacific Command, left, sits in a portable **F-22 Raptor** flight simulator cockpit, as John McDonald, Lockheed Martin's director for the F-22 Program, right, explains the controls of the aircraft. Several representatives from lead systems integrators brought the mobile demonstration unit to Camp H.M. Smith, Hawaii so that senior Defense Department leadership could view new technical capabilities of the aircraft first hand.

DoD file photo by Army Staff Sgt. Bryan Beach.

Admiral Gary Roughead, U.S. Navy, (above, left and inset) the 29th Chief of Naval Operations (CNO), will be the guest of honor and keynote speaker at the annual premiere event of National BDPA (NBDPA). This event will be held on July 31, 2010 at the Philadelphia Marriott Downtown in Philadelphia, Pennsylvania. Admiral Roughead will address this distinguished audience comprised of congressional leaders, senior staff, industry leaders, state and local government representatives, other uniformed and civilian senior Department of Defense leaders, college interns and high school students from NBDPA Chapter cities, NBDPA Corporate Sponsors, and NBDPA members. The Chief of Naval Operations (CNO) is the senior military officer of the Department of the Navy. Having earned the rank of four-star admiral, Admiral Roughead is responsible to the Secretary of the Navy for the command, utilization of resources and operating efficiency of the operating forces and shore activities for the Navy assigned by the Secretary. As a member of the Joint Chiefs of Staff (JCS), the CNO is the principal naval adviser to the President of the United States and to the Secretary of the Navy on the conduct of war, and is the principal adviser and naval executive to the Secretary on the conduct of activities of the Department of the Navy. bt

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VentureBeat

David Adewumi, contributing writer, Venturebeat

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Technology Awareness Program

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A community technology development & awareness program TAP provides corporate sponsors with a turnkey program that enables them to advance the value of technology to African-American, Hispanic, and Native American communities *through three programs:* La Familia Technology Awareness Week; Native American Family Technology Journey; and Black Family Technology Awareness Week. The programs are comprised of content designed for audiences from kindergarten through 12th grade and includes their parents and extended families. TAP enables companies to augment their public image among minorities by extending their outreach efforts into those communities.

TAP
TECHNOLOGY AWARENESS PROGRAM

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Native American Family Network
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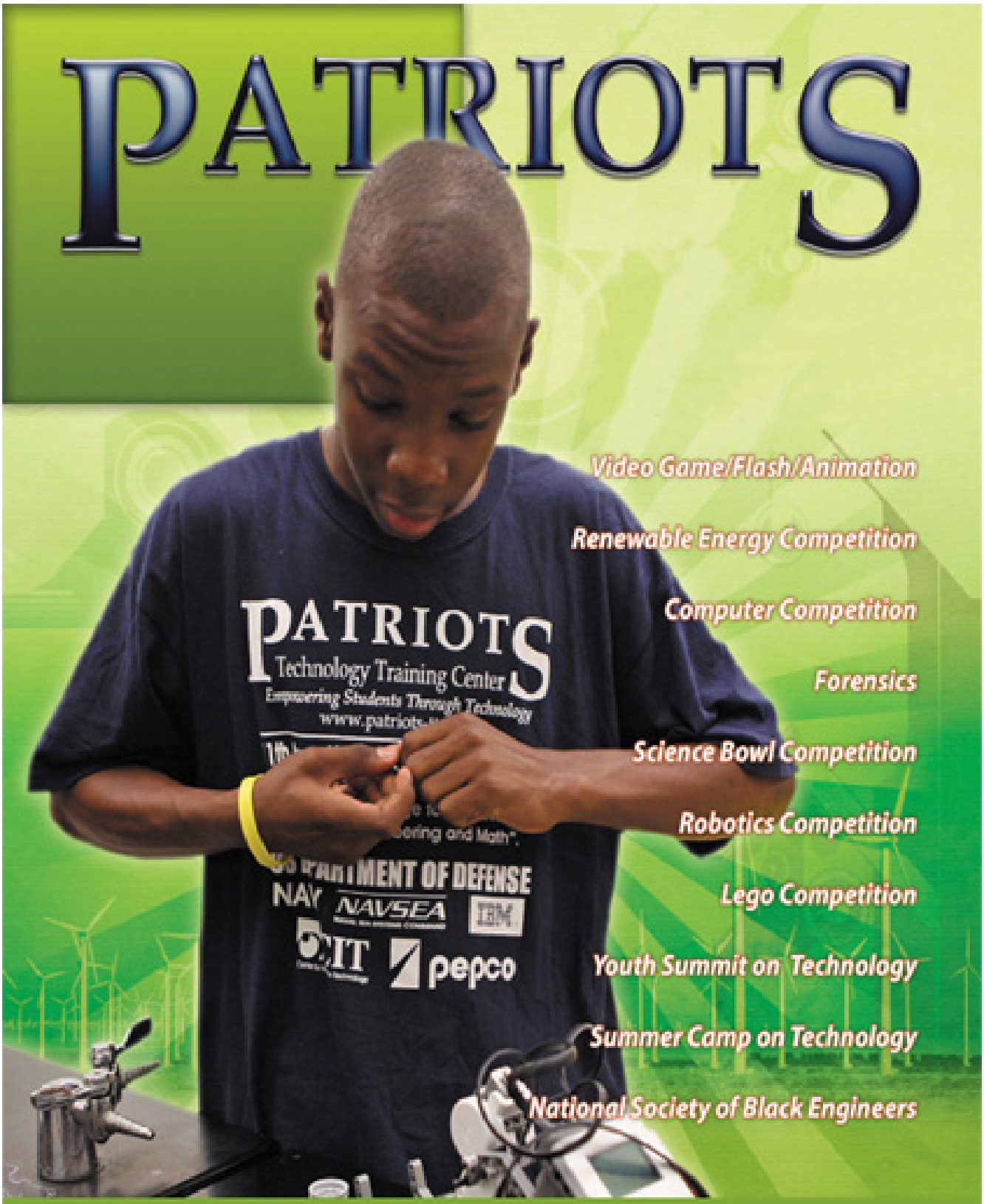

Video Game/Flash/Animation

Renewable Energy Competition

Computer Competition

Forensics

Science Bowl Competition

Robotics Competition

Lego Competition

Youth Summit on Technology

Summer Camp on Technology

National Society of Black Engineers

Patriots National Society of Black Engineering Jr. Chapter (NSBE) of the Year

Patriots Robotic Teams wins the US First Chesapeake Regional Robotic Competition

Patriots wins NSBE Region 2 Tri-Math-A-Lon Competition

Patriots has the largest NSBE Chapter with 400 Members

Philadelphia Welcomes National BDPA

PECO Building Now "*Green*" For NBDPA

PECO photo courtesy Pennsylvania Horticultural Society

An icon of the Philadelphia skyline

The PECO (Philadelphia Electric Company) building and its familiar Crown Lights were recreated in a scale model (above photo) with a 14-foot-high tower for a recent flower show. The company's walk-through exhibit illuminated its new green initiative last year. **PECO** showcases community events for organizations on more than 2 million, new, energy efficient LED lights. PECO has been displaying messages atop its 23rd and Market Street headquarters since July 4, 1976. Since that time, the company has saluted local community and non-profit organizations such as National BDPA with more than 17,500 messages. The new, energy efficient system, was unveiled last year on July 4, 2009,

PECO's Digital Art Contest - PECO is proud to partner with Breadboard on an exciting initiative called "Art in the Air". To commemorate the first anniversary of PECO's new energy efficient LED Crown Lights and to highlight the system's capabilities, the company is featuring digital art of select regional artists. The goal is to utilize the PECO Crown Lights system in a new and different way, and provide recognition to local artists working with digital formats. Regional artists (PA, NJ, DE) working with digital media are encouraged to submit work for review and possible display on PECO's Crown Lights Tower. Submission deadlines for the ***Art in the Air 2010*** digital public art initiative are now available for 2010. Graphic artists, for details, visit ***www.breadboardphilly.org*** [**Source**: PECO] **bt**

Local Chapter News

bdpatoday

BDPA Chicago

The Boeing Company Donates Laptops to Chapter

BETF—BDPA Education and Technology Foundation (**BETF**) is pleased to announce the conclusion of a successful in-kind grant proposal to The Boeing Foundation. BETF partnered with BDPA's Chicago Chapter to request 10 notebook computers. BDPA Chicago chapter discovered that several of their youth participants in the Student Information Technology Education & Scholarship (**SITES**) program either do not have a computer at home or only have Mac's at home. This created an "*unlevel playing field*" for the chapter's young people**.** BETF determined the Boeing Foundation was not a good fit for a cash donation; however, BETF realized Boeing would be a good fi

BDPA Washington, D.C.

Thingamajig Invention Convention With The "Y"

BDPADC—NBDPA and LISTA continue to support STEM programs for local communities. YMCA-DC and BDPA-DC attended LISTA's Tech Latino 2030 Legislative Forum last month. This month, on Thursday, July 29, 2010, from 9:00 AM to 3:00 PM, the YMCA of Metropolitan Washington's Thingamajig Invention Convention gives nearly 3,500 local children an opportunity to create eco-friendly inventions and compete with other young inventors for fun prizes and awards. Thingamajig encourages children to explore the fields of science, engineering and design. Kids use only recycled materials to create their inventions and learn about the importance of protecting the environment. Contact **Ms. Janice Williams**, YMCA of Metropolitan Washington, for event details at **800.473.YMCA**.

YMCA Photo

For other local chapter news, visit the newsletter's Groupsite at: **http://bdpatoday.groupsite.com**.

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NBDPA Presents Special Executive Panel Discussions

National BDPA Technology Conference | Philadelphia Marriott Downtown | July 28-31, 2010

Thursday

9:00 – 11:00 AM **Our Cyber World - Friends and Foes: What every business and individual must know before it is too late**

Rear Admiral William Leigher – Deputy Commander, U.S. Fleet Cyber Command / U.S. TENTH Fleet
Col Jeffery Butler, Professor, U.S. Air Force Academy
John Osterholz, Cyber Warfare and Cybersecurity , BAE Systems

Thursday

1:30 – 3:00 PM **Small Business Engagements - Opportunities, Risks and Rewards: How to avoid becoming a failed business statistic**

David Dickerson - Director, Small Business Administration, Philadelphia Region
Phil Jaurigue - President/CEO, Sabre Systems, Inc
Tom Kornekay – Chairman/CEO, Tekontrol, Inc

Friday

9:00 – 11:00 **AM IT Workforce Development: How to prepare for the skills in highest demand**

James McArthur – VP Lockheed Martin, Center for Innovation
Eloise Young – VP/CIO, Philadelphia Gas Works
Terry Halvorsen – Deputy Commander, US Fleet Cyber Forces Command

Friday

1:30 – 3:00 PM **Federal IT Initiatives: What's Next? Are you ready?**

John James – Director, National Security Personnel System Transition Office
Robert "Bob" Whitkop – Naval Next Generation Network (NGEN), Special Programs Office (Awaiting confirmation)
Anthony McMahon – Director, Enterprise Computing Center, Internal Revenue Service.
Dr. Anthony Junior – Director, Office of Naval Research

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Students Capture NSF Funding to Attend TeraGrid 2010

More than 175 high school, undergraduate, and graduate students have applied to participate in this year's annual TeraGrid conference (TG'10) to be held August 2-5 in Pittsburgh, PA, indicating strong interest among younger men and women in pursuing careers throughout the computer sciences and research fields. In all, submissions from 114 students have been accepted for this year's TeraGrid conference.

We are delighted with the high level of interest among students in joining this year's TeraGrid conference said Laura McGinnis, TeraGrid 10 Student Program Coordinator. We received about three times the number of applicants needed to fill our student volunteer spots for this year's event alone, and the quality of submissions for our Student Poster Contest and Student Programming Contest was outstanding. McGinnis, manager of education and training with the Pittsburgh Supercomputer Center (PSC), a TeraGrid partner, also reports that the response to TeraGrid's call for student research papers was very strong, and that three undergraduate or graduate students will be recognized by TeraGrid as Emerging Scientists at next month's conference for conducting research using TeraGrid or Open Science Grid (OSG) resources. In addition, the 114 students whose applications were accepted will receive funding from the National Science Foundation (NSF) to help defray the costs of attending TG '10, including complimentary registration to this annual event. BDPA Student Members participate each with year by partnering with Dr. Jesse Bemley and his staff at Joint Educational Facilities (**JEF**) to attend TeraGrid 2010 and Supercomputing 2010 (**SC10**) conferences.

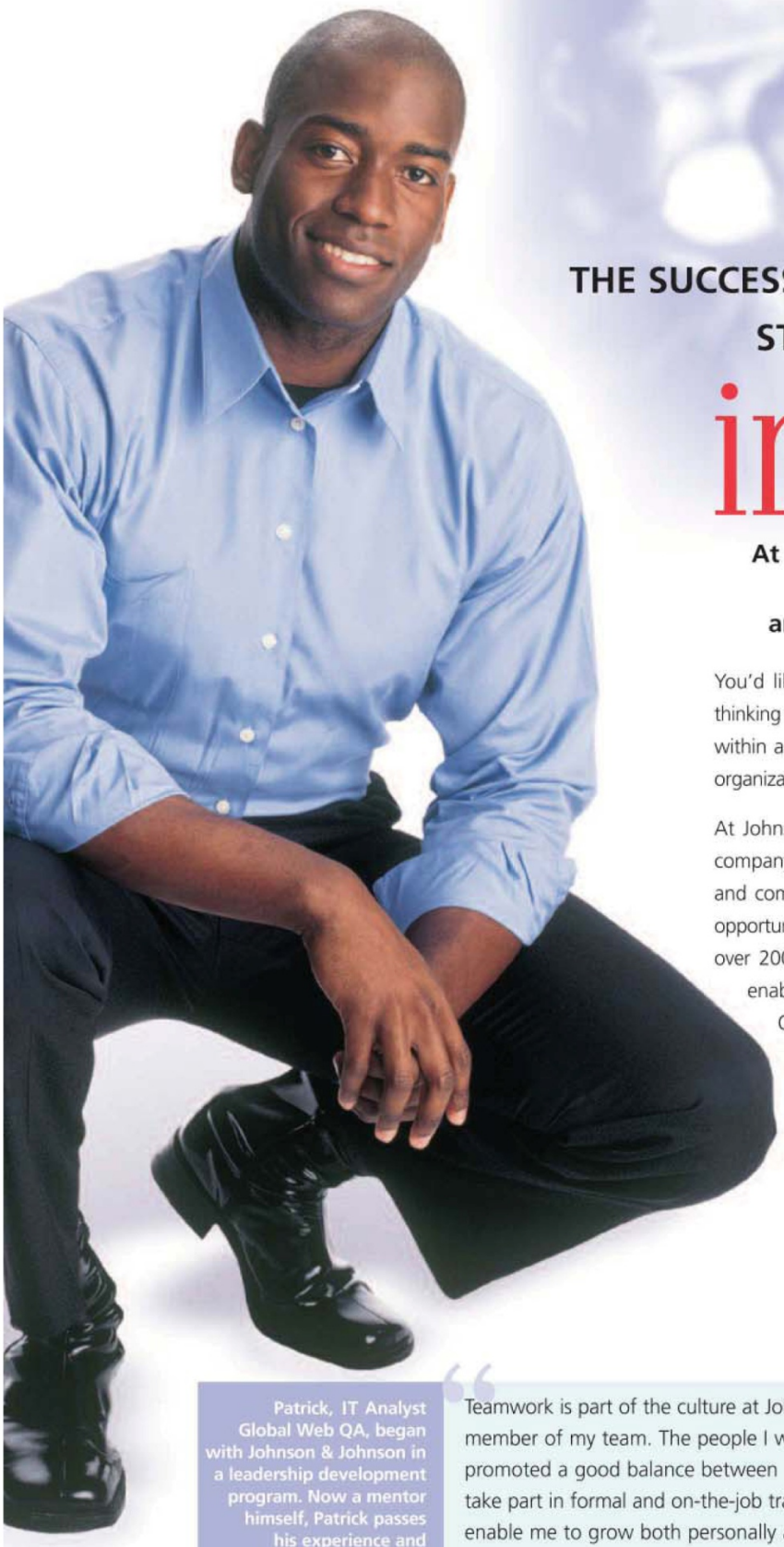
Funded by the NSF, TeraGrid is the world's largest, most comprehensive distributed cyber infrastructure for open scientific research, with resources at 11partner sites around the U.S. to create an integrated, persistent computational resource. TeraGrid resources currently include more than a petaflop (a thousand trillion calculations per second) of computing capability, and more than 30 petabytes of online and archival data storage, with rapid access and retrieval over high-performance networks.

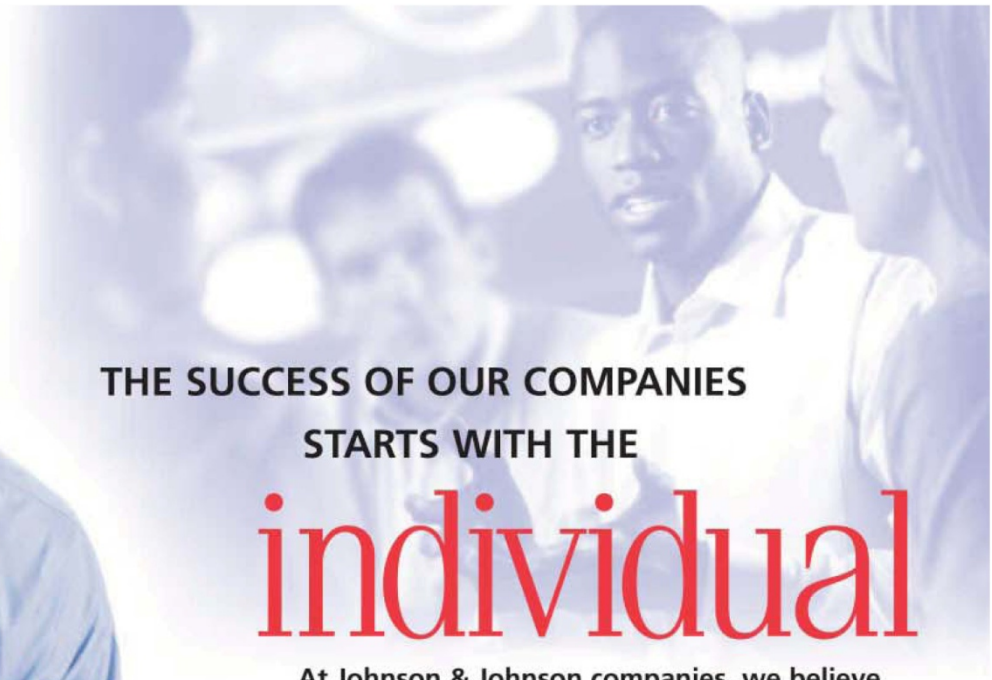
TeraGrid resource providers include: Indiana University, Louisiana Optical Network Initiative, National Center for Supercomputing Applications, National Institute for Computational Sciences, Oak Ridge National Laboratory, Pittsburgh Supercomputing Center, Purdue University, San Diego Supercomputer Center, Texas Advanced Computing Center, and University of Chicago/Argonne National Laboratory, and the National Center for Atmospheric Research. For more information please visit **https://www.teragrid.org**. **bt**

For more information on NBDPA, and NBDPA's local academic, public, and private sector engagements, visit the organization's Groupsite enhanced by Groupsite.com.

http://bdpa.groupsite.com

BDPA





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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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CAREER COMMUNICATIONS GROUP'S
2010 TOP SUPPORTER of HBCUs

OFFICE OF NAVAL RESEARCH

this issue's success story

In 2010, National BDPA, formerly Black Data Processing Associates, achieves a 35-year milestone. Earl A. Pace, Jr. is to be honored in Philadelphia, Pennsylvania where he co-founded the community-based computer sciences organization.

Inside our next Fall issue:

CBCF/ALC Legislative Conference

BEYA to Celebrate 25 Years

Special 2010 Legislative Edition

student programs: GET THEM INVOLVED!

NBDPA's SITES (Student Information Technology Education and Scholarship) initiative is designed to introduce students grades K-12 of African-American descent and underserved communities to the field of Information Technology (IT) and CS-STEM (Computer Science | Science. Technology. Engineering. Mathematics) disciplines through computer training by encouraging them to seek higher levels of education and grooming many of them to become our next generation of IT Professionals. Our programs are offered to students across the country at no cost to interested students. Contact NBDPA at **1.800.727.BDPA** (2372) for participating BDPA Chapters near you or visit our web site at **www.bdpa.org**.

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