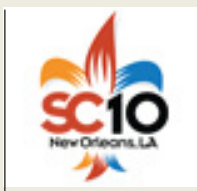




WHAT'S INSIDE: 

CxOs address 2010 Chapter Awards Galas and HSCC Scholarship Banquets

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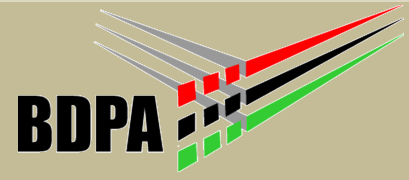
SC10

Special panels to convene on High Performance Computing (HPC) workforce development

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112th Congress Convenes in January

This month's elections will have a game-changing impact on the legislative agenda of your next Congress and General Assembly. **Page 13**



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Photo courtesy: NASDAQ

Dr. Melodie Mayberry-Stewart, New York State CIO (left) and Anna Ewing, Chief Information Officer for NASDAQ OMX on tour at the NASDAQ Stock Exchange in New York City. Dr. Mayberry-Stewart will deliver this year's Keynote Address for BDPA New York's 2010 Scholarship and Awards Dinner, Wednesday evening on November 10th. *See story on Page 5*



Photo: HP

Introducing the HP Slate 500

Palo Alto, CA – Up to now, the public only has had tiny glimpses of the HP Slate 500 device expected to preview later this month. We also saw it in a video HP released in January during CES and most recently in videos showcasing the HP Slate 500's web, Adobe Flash, and Air support.

HP is NBDPA's **Corporation of the Year for 2010**. Visit hp.com/slate for your latest update and release dates. **bt**



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bdpatoday photo by Lesley Menor

BDPA-DC High School Computer Competition (HSCC) Team Captains, **Francisco Nunez** and **TurKenya Herring** were among NBDPA's Oracle Scholarship finalists for 2009.

LARGO, MD—National BDPA is now accepting applications for 2010 Oracle scholarship awards. BDPA student members may submit applications to win one of ten (10) \$5,000 Oracle Scholarships. College students or high school seniors seeking an undergraduate degree in Engineering, Computer and Information Science, Computer Engineering or Mathematics are strongly encouraged to apply. The application deadline is **11:59 PM EST, Thursday November 25, 2010**. Students will be notified by December 20, 2010 regarding the status of their applications. Oracle representatives will select each winner. The scholarship announcement is posted on the National BDPA website with a direct link to the scholarship details page. Contact your local BDPA Chapter for additional details. **bt**

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Our Next Cyber & Legislative Events

The Washington, D.C. Chapter of BPDA (BDPA-DC) is NBDPA's Host Chapter during the 25th Anniversary of Black Engineer of the Year Awards (BEYA) S.T.E.M. Conference, February 17th-19th, 2011 in Washington, D.C. Hosted by Career Communications Group, Inc. (CCG), annual BEYA STEM conferences provide unique opportunities for industry, academia, and the federal government to launch and support new S.T.E.M. initiatives. See page 14 for additional details.

NBDPA members and stakeholders continue to network during these industry outreach 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 or to find other local BDPA events near you, visit local chapter websites at www.bdpa.org for BDPA events, locations, or call our national office at 800.727.BDPA (2372). **bt**

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Celebrating Science and Engineering on the National Mall

WASHINGTON, D.C.—After joining President Obama in welcoming students to the [White House Science Fair](#) last month, White House Office of Science and Technology Policy (OSTP) Director John P. Holdren spent Saturday morning with fellow OSTP staffers and an estimated half-a-million other visitors on the National Mall, reveling in the USA Science and Engineering Festival. Under beautiful blue skies, science, mathematics, and engineering literally had their day in the sun, with more than 1,000 displays and demonstrations that educated, entertained, and inspired children and adults alike.

Within minutes of our arrival at the Festival we came upon a familiar figure: Thomas Alva Edison, or at least a close facsimile, in the person of Frank Attwood, an Orlando-based self-described “actorpreneur.” Toting a tattered brown briefcase and with an ancient phonograph in tow, Attwood was buttonholing visitors and regaling them with tales of the all-American inventor, who so personified the kind of innovation that today continues to undergird our Nation’s social and economic strength.

The displays and hands-on activities that covered the Mall—and filled other parts of downtown DC—were themselves great examples of pedagogical ingenuity.

The Festival also provided fertile ground for that most American outlet of ingenuity: T-shirt designs. Among those we spotted: “Got Microbes?” (American Society for Microbiology); “Molecular Biology: All the Cool Kids are Doing It!” (Princeton University); and “Who Needs Statisticians?” (with, of course, a long list of people and professions that *do*, including “oceanographers, lawyers, and kings” to name just a few from that T-shirt’s fine print).

Of course, there is nothing like old-fashioned human star-power to get the next generation of scientists and engineers excited, which explains why some of the longest lines on the Mall were populated by youngsters seeking autographs from astronaut John Grunsfeld, “the Hubble-repairman”, and television’s “Bill Nye the Science Guy.”

Speaking of star power, President Obama himself gave the Festival a shout out, both at the White House Science Fair last week and in a video embedded in the Festival’s web site. “I hope you have fun exploring this festival,” the President said in his taped remarks.

Well, we sure did. All in all, it was a weekend that would have made Thomas Edison proud. —by Rick Weiss, OSTP. **bt**

[CxOs Keynote Awards Banquets](#), from **Cover Page**

New York, NY—NBDPA’s New York Chapter announced Melodie Mayberry-Stewart, PhD, New York State Chief Information Officer (above left) and Director of the Office of Technology, will keynote the chapter’s 2010 Scholarship and Awards Dinner. The 2010 Scholarship and Awards Dinner, sponsored by National Grid, will be held on Wednesday, November 10, from 5:30 pm to 9:00 pm, at National Grid, One MetroTech Center, Brooklyn, NY. The purpose of the dinner is to recognize the outstanding contributions of BDPA New York’s 2010 community supporters and corporate sponsors as well as award college scholarships to our students, who are members of BDPA’s Student Information Technology Education Scholarship (S.I.T.E.S) program.

Dr. Melodie Mayberry-Stewart was appointed to the position of New York State Chief Information Officer and Director of the Office of Technology, in May 2007. As a member of the Governor’s cabinet, Dr. Mayberry-Stewart develops, implements, and oversees IT investments for the State of New York, a \$130 billion enterprise with over 190,000 employees serving a statewide population of 19 million.

Washington, D.C.—NBDPA’s Washington, D.C. Chapter announced Joseph A. Rossi, Freddie Mac’s Senior Vice President for Operations and Technology, will keynote the chapter’s Annual 2010 Scholarship and HSCC Awards Dinner. The Annual Scholarship and HSCC Awards Dinner, sponsored by Freddie Mac, will be held on Tuesday,



November 9, from 6:00 pm to 9:00 pm, at the Naval District Washington (NDW) Conference Center, Washington, D.C. Navy Yard.

Other Announced Awards Banquets for FY10

[BDPA Washington, DC | NOV 9th](#)
[BDPA New York | NOV 10th](#)
[BDPA New Jersey | NOV 12th](#)
[BDPA Northern Delaware | NOV 13th](#)
[BDPA Philadelphia | DEC 4th](#)

Visit www.bdpa.org or NBDPA’s Groupsite for these and other events near you. **bt**

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VentureBeat

David Adewumi, contributing writer, Venturebeat

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NATIONAL BDPA HIGH SCHOOL COMPUTER COMPETITION

High Performance Computing on The Mall

National Science Foundation (NSF) Showcased
TeraGrid's *Blue Waters* Project on The Mall



Photo courtesy: Elizabeth Leake | GridCast/NSF/JEF

Joint Educational Facilities (JEF) and NBDPA supporters Dr. Jesse Bemley (JEF), Bonnie Bracey (JEF), and Bryan Bemley (Bowie State University) join Elizabeth Leake, TeraGrid External Relations Coordinator (left, back row) and other TeraGrid participants in a booth co-sponsored by the National Science Foundation's **TeraGrid** and **Blue Waters** project on The Mall last month.

WASHINGTON, DC—In a new video released by the USA Science & Engineering Festival, Albert Einstein played by an impersonator who looks and sounds like the most famous scientist in the world, challenged Daily Show host Jon Stewart and The Colbert Report's Stephen Colbert, to top his "Rally to Keep Science Alive". The Festival's "Rally to Keep Science Alive" was held during the first USA Science & Engineering Festival Expo on the National Mall October 23-24, 2010, a week before Colbert's "March to Keep Fear Alive" and Stewart's "Rally to Restore Sanity." In the video, Einstein says science is a land of opportunity and deserves to take center stage while it inspires and engages the next generation with the potential of a career in one of its many fields. He wanted politicians, scientists, business leaders, the education community, and the general public, to join him in his "Rally to Keep Science Alive".

The first USA Science & Engineering Festival Expo held on October 23-24th was the perfect back drop for Einstein's "Rally to Keep Science Alive." Over 750 science organizations had 1500 hands-on, interactive exhibits, including the science of NASCAR, baseball, Thanksgiving dinner and much more. Festival attendees built a robot that swims underwater, met astronauts and Nobel Laureates, touched a 1500 pound chunk of glacier from Alaska, and piloted the space shuttle and fighter jets via virtual reality systems.

The USA Science & Engineering Festival Expo was free to all and offered an interactive S.T.E.M. experience for the entire family from the youngest children to grandparents.



Supercomputing 2010



NEW ORLEANS, LA - A 'Special Topic' addressing critical workforce issues in High Performance Computing (HPC) will be featured at SC10, the premier international conference on high-performance computing, networking, storage and analysis, to be held in New Orleans, LA this month from November 13-19. The rapid growth of high performance computing (HPC) in industry and research is increasing the demand for expertise in HPC. This trend, coupled with declining enrollments in computing education, is creating a HPC workforce shortage affecting government, industry, and academia. To meet critical workforce needs, more skilled practitioners and researchers need to be trained.

"These workforce challenges affect all of us in the HPC community and we need to address them now to sustain the growth of HPC," said Jennifer Teig von Hoffman, SC10 Communities Chair. "With representatives from industry, government and academia in attendance, SC10 is the best forum to harness the innovative thinking that has made the HPC community so dynamic and focus it on developing solutions to these workforce issues."

The goal of the Special Topic is to bring together HPC representatives from industry, research institutions, national labs and academia to assess workforce needs and explore innovative education and training approaches and identify trends affecting the HPC workforce over the coming decade with a focus on:

- Identifying and exploring specific skills and capabilities needed in the HPC workforce;
- Descriptions of existing and new approaches to increase the skilled workforce;
- Discussion of the trends and forces shaping HPC workforce needs;
- New education and training approaches over the next 5 and 10 years.

SC10, sponsored by IEEE Computer Society and ACM (Association for Computing Machinery) offers a complete technical education program and exhibition to showcase the many ways high performance computing, networking, storage and analysis lead to advances in scientific discovery, research, education and commerce. This premier international conference includes a globally attended technical program, workshops, tutorials, a world class exhibit area, demonstrations and opportunities for hands-on learning. **bt**

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Midterm Elections Determine Control of Congress—by Bridget Hunter

Washington, D.C. — On November 2, Americans will cast their ballots to determine who will represent them in the 112th Congress, scheduled to convene in January 2011. These elections, because they occur in even-numbered years at the halfway point of a presidential term, are known as midterm elections. This timing encourages pollsters and political pundits to view the outcomes as referendums on the policies of the current president, but that narrow interpretation can distract from their true importance. In electing a new Congress every two years, American voters decide who will speak for them in crafting legislation, determining government spending and overseeing the activities of the executive branch. The Congress is the legislative branch within the three-pronged federal government. The others are the executive branch, led by the White House, and the judicial branch, headed by the Supreme Court. Each has a separate but equal role in governing the nation. As laid out in the U.S. Constitution, each branch checks and balances the powers of the others.

The U.S. Congress comprises two chambers: the Senate, to which members are elected for six-year terms; and the House of Representatives, whose members serve two-year terms. A U.S. president is limited to two terms, but there are no limits on how many terms a member of Congress may serve. Each November of an even-numbered year, every one of the 435 House seats is filled by the will of the people, as expressed through the ballot box. Simultaneously, approximately one-third of the Senate is also elected, although that number varies from election to election because senators sometimes retire or die in the middle of their terms. In 2010, 37 senators will be elected or re-elected.

STATE & LOCAL

As important as the congressional races are, they are a tiny fraction of the total number of elected posts U.S. voters will fill on Election Day. At the state level, 37 governors will be elected, selections particularly important because in 2011 the once-in-a-decade process of redistricting the seats in the House of Representatives will occur. The governors elected in 2010 will play significant roles in determining how the boundaries of congressional districts are redrawn in light of the 2010 census data.

State legislators also will be chosen in many states on November 2, along with county executives, mayors, and city and town council members. Many jurisdictions also will elect attorneys general, treasurers, comptrollers and even judges.

At the BDPA Chapter level, winners of local races, although they lack the prestige and national import of congressional service, likely will have stronger effects on the day-to-day lives of their constituents as they serve out their terms, many working for small salaries or even without pay. In executing a technical or S.T.E.M. agenda, local governments are front lines of U.S. government and perhaps the purest expressions of American democracy. Visit www.america.gov for updated Midterm election data.

IT Showcase | ITSC 10



For more information on NBDPA, NBDPA's academic, public, and private sector engagements for FY11 and 2011 National and Regional IT Showcase (**ITSC 11**) schedules, contact **Dr. Jesse Bemley** or **NBDPA** at 1.800.727. BDPA (2372).



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this issue's success story

Oracle will award \$50,000 in 2010 to qualified BDPA Student Members who are majoring or concentrating in S.T.E.M. disciplines. Eligible students may also have recently participated in local chapter *Student Information Technology Education & Scholarship* (SITES) programs. Application deadline is **November 25th, 2010**.

Inside our
next issue:
Internships

S.T.E.M. Careers

Small Businesses and Cyberspace

student programs: **GET THEM INVOLVED!**

NBDPA's SITES (Student Information Technology Education and Scholarship) initiative is designed to introduce students in grades K-12 in 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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