

High Performance Competitions!

This decade, IEEE, JEF, NBDPA, TeraGrid, Top Coder, USACO, and the U.S. Cyber Challenge Consortium are among CS-STEM organizations expanding student computer competitions to enhance cyber workforce talent acquisitions.

Page 13



TeraGrid

TeraGrid is an open scientific discovery infrastructure combining leadership class resources at eleven partner sites to create an integrated, persistent computational resource.

WHAT'S INSIDE:



BDPA Members head to Washington, D.C. next month to attend the 2010 40th Annual Legislative Conference (ALC).

PAGE 3



2010 NBDPA Award Winners

NBDPA's Southern Minnesota High School Computer Competition (HSCC) Team captures its fourth consecutive national title.

PAGE 3



local chapter edition

August | 2010

bdpatoday

Volume 35
Issue 08.10

Chief of Naval Operations Receives NBDPA's Lifetime Achievement Award at 35th Anniversary Gala



U.S. Navy photo by Mass Communication Specialist 1st Class Tiffini Jones Vanderwyst

Philadelphia, PA—Chief of Naval Operations (CNO) Admiral Gary Roughead (right) receives his NBDPA Lifetime Achievement Award from Joseph McMahon, a retired Navy officer and President of NBDPA's Hampton Roads Chapter. Admiral Roughead was recognized by industry for his personal dedication to outreach and his progressive leadership. This year's award was presented shortly after the Admiral's keynote remarks to executives, corporate members, interns and student members from chapter cities attending NBDPA's annual conference and 35th Anniversary Gala.

U.S. Fleet Cyber Command Ft. Meade, Maryland



U.S. Navy photo

Page 10

Navy Offers NROTC Scholarships to Winners of Cyber Challenge

NAVAL STATION GREAT LAKES, III. (NNS) -- The Navy is establishing five (5) annual four-year college Naval Reserve Officers Training Corps (NROTC) scholarships for U.S. high school and college students who demonstrate advanced cyber security skills.

See **NROTC**, page 5



The Navy can land you here.

Get a scholarship worth up to \$180,000 with the Navy ROTC program.
Go to mynavymyfuture.com for more information.

AMERICA'S
NAVY

A GLOBAL FORCE FOR GOOD.™

©2009. Paid for by the U.S. Navy. All rights reserved.



NBDPA photo

By **Matthew Stowe**, *The Post-Bulletin* Rochester, Minnesota

Rochester, MN -- Can you say dynasty? A team of Rochester high school students representing the local NBDPA chapter chalked up its fourth straight national championship in a programming competition in Philadelphia last month. The five-man Rochester team took the first-place trophy in a contest that included 22 teams from throughout the country, besting teams from larger metropolitan areas such as Washington, D.C., and Los Angeles, which came in second and third place, respectively. "They have become kind of a dynasty," said Elise Pemberton of Rochester, parent of a former BDPA participant.

The team is led by Zack Garbow, an IBM engineer and master inventor, and a group of IBM employees who mentor others to invent. Volunteers from Mayo Clinic and IBM also work with the students. The team has become to computer programming contests what the Pittsburgh Steelers were to the NFL in the 1970s and what the Chicago Bulls were to the NBA in the 1990s. It has won five national championships in the past six years. The team came in second the year it didn't win. **bt**

See Page 10 for a complete list of 2010 NBDPA Award Winners

TeraGrid '10
August 2-5, 2010
 Pittsburgh, Pennsylvania
www.teragrid.org

HP: Pioneering Grid Computing's Move Into The Enterprise Market

IBM REAL GRID SOLUTIONS REAL BUSINESS VALUE

NBDPA, formerly known as Black Data Processing Associates, was founded in 1975 to promote professional growth and technical development for those in or entering information, communications, or technology (ICT) oriented fields of interest and related industries. BDPA 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 offices 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, & ©JupiterImages™. Cover graphics, photos and logos: Purdue University, National Science Foundation (NSF), BDPA-DC and **bdpatoday**. **bdpatoday** is available for immediate online publishing of ICT industry, chapter news, and community IT events. Send ads, articles, events, or images to: info@bdpatoday.org. Readers also may use Groupsite calendars, enhanced by Groupsite.com to review local events.



National High School Computer Competition
July 2010—Philadelphia, PA
800.727.BDPA (2372) | www.bdpa.org



09.15.10 – Growing Strong **IT** Relationships

Our Next MBE & IT Legislative Event

The Washington, D.C. Chapter of BDPA (BDPA-DC) is NBDPA's Host Chapter during the 40th **CBCF Annual Legislative Conference** September 15th-18th, 2010 at the Washington Convention Center and on Capitol Hill. Hosted by the Congressional Black Caucus Foundation (CBCF), this **non-profit, non-partisan, public policy, research and educational institute** aims to help improve the socioeconomic circumstances of African Americans and underserved communities by leveraging this powerful forum to help accomplish its mission.

NBDPA members and stakeholders continue to network during these legislative 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 in the National Capital Region (NCR), visit your host chapter's website at www.ncr-bdpa.org for CBCF event locations or call our national office at 800.727.BDPA (2372). **bt**

NROTC Graduates Support STEM Programs and NBDPA



Perry Carter
BDPA Washington, D.C.
NROTC Unit:
University of Pennsylvania



John Hoffer
BDPA Greenville, SC
NROTC Unit:
Massachusetts Institute of Technology



Joseph McMahon
BDPA Hampton Roads, VA
NROTC Unit:
Morehouse College



Dr. Charles Worrell
BDPA Washington, D.C.
NROTC Unit:
University of Pennsylvania

Perry Carter | Chapter President & Founding Publisher of *bdpatoday* NROTC Unit - *University of Pennsylvania*

Perry Carter is Vice President and CIO, Mid-Atlantic Region, for Tec-Masters, Inc. and is NBDPA's 2010 Outstanding Chapter President of the Year. He is a community leader with over 22 years of experience in application development, training, and community relations in private and public sectors. Following graduation from the United States Air Force Academy's (USAFA) Preparatory School and an enlistment in the United States Marine Corps, he received a Navy ROTC (NROTC) scholarship which he used to pursue undergraduate studies in Computer and Information Sciences (CIS) and Political Science at Temple University, in Philadelphia, PA. After joining BDPA, Carter co-founded Temple University's BDPA Student Chapter. He received his BA Degree in Political Science, and was commissioned a Marine Corps officer. Upon graduation from Marine Corps Computer Sciences School (CSS) he became a Data Systems officer. While assigned to Marine Corps Development and Education Command (MCDEC) in Quantico, VA, he supported BDPA-DC and spent several of his free weekends in the District of Columbia tutoring young men and women teens enrolled in the Joint Educational Facilities' (JEF) advanced computing programs. After his first tour, Carter was selected to chair a national information technology conference (NBDPA), chaired NBDPA's Communications Committee, served as NBDPA's first webmaster, and helped charter BDPA's Baltimore and Richmond Chapters. Perry Carter was elected to consecutive terms as the Communications and Public Relations Officer for the National Naval Officers Association (NNOA) and was the founding publisher of NNOA's *Meridian Magazine*. Active duty assignments included Software Quality Assurance (SQA) analyst, Deputy Marine Corps Marathon Systems Support officer, and Enlisted Assignment [Computer] Model (EAM) Manager while assigned to Marine Headquarters in Washington, DC. As a Marine reservist, Carter served at CSS as an instructor in Quantico, VA and an OPFOR participant at the Armed [Joint] Forces Staff College, Norfolk, VA, during theater-campaign war gaming modules. After the military, Carter became an IBM Principal Certified Lotus Professional (PCLP) developer, he designed and deployed mission-critical applications, and directed DoD Mentor/Protégé Program (MPP) engagements with HBCU/MIs and small businesses as both a DoD Protégé and as a DoD Mentor. Perry Carter has held senior IT positions with two (2) technology trade associations (ITAA & ITSA) and currently maintains active memberships in professional associations including AUVSI, AFCEA, NBDPA and NNOA.

John Hoffer | Chapter President & Lead HSCC Instructor NROTC Unit - *Massachusetts Institute of Technology*

John Hoffer is the founder of Tech Alliant. He has served as president of several Information Technology professional organizations. Mr. Hoffer specialized in Enterprise Java technologies. He writes graphical client/server applications as well as Servlets/JavaServer Pages. He has provided Java training to several Fortune 500 companies, including May Department Stores and Maritz. Mr. Hoffer has been an instructor at Washington University's Center for the Application of Information Technology and wrote the Center's curricula for IBM VisualAge for Java and IBM WebSphere Application Server. Mr. Hoffer currently is the National Director of Professional Development for NBDPA and president of NBDPA's Greenville Chapter. He is a former president of NBDPA's St. Louis Metro Chapter and of the Gateway/2 OS/2 Users' Group. Mr. Hoffer holds a number of industry certifications, including: Sun Certified Programmer for the Java 2 Platform Microsoft Certified Professional IBM Certified VisualAge for C++ Object-Oriented Associate Developer IBM Certified Network Communications Engineer IBM Certified OS/2 Warp Developer IBM Certified OS/2 Engineer IBM Certified OS/2 LAN Server Administrator IBM Certified OS/2 LAN Server Engineer IBM Certified OS/2 Warp Server Engineer Custom training clients include Maritz, May Department Stores, Southwestern Bell, Transentric, Illinois Department of Transportation, and State of Missouri. Mr. Hoffer holds a Bachelor of Science in Physics from the Massachusetts Institute of Technology (MIT). He is a former United States Navy Lieutenant. While serving in the U.S. Submarine Force he earned a Navy Achievement Medal, Meritorious Unit Commendation, Expeditionary Medal and several other commendations.

Joseph McMahon | Chapter President and Zenith Challenge Project Founder NROTC Unit - *Morehouse College*

Joseph ("Joe Mac") McMahon is an accomplished innovator, community leader and retired Naval Flight Officer (20 years of Active Duty service). Having first joined the Navy's enlisted ranks, Joe was accepted into the Broadened Opportunity for Officer Selection and Training (BOOST) Program and college preparatory school. The Navy's prep school successfully prepared Joe to obtain his Bachelor Degree in Business and pursue a career in Naval Aviation. Joe has travelled the world's oceans taking off and landing on several of the Navy's premier aircraft carriers where he amassed 400 arrested landings. In his military career, he has served as mission commander and flight instructor to hundreds of Navy pilots, flight officers and sensor operators for surface, submarine, and electronic

warfare. He skillfully supervised and assessed technology development across more than 50 organizations including military, industry, research laboratories, academic institutions and foreign governments. His teams integrated hundreds of military technology capabilities for naval ships, aircraft and shore installations. He directly influenced over \$500M in defense acquisitions for U.S. Navy and Marine Corps customers. As department head for a Navy squadron, he directed and supervised the first fleet installation and operational deployment of AGM-65 Maverick missile system and CAINS II Navigation system for the S-3B aircraft.

He is the founder of two (2) NBDPA chapters –BDPA Baton Rouge and BDPA Hampton Roads. In 2010, he founded the Zenith Challenge Program. In the first six months, Hampton Roads area high school students participating in the Zenith Challenge Program composite high school team completed all phases of the 2010 Student Unmanned Autonomous Systems Competition and ranked in the top 20, amongst 28 of the world's top engineering universities. Moreover, as a leader of technology advancements, Joe still makes a lasting impact on transformational technology. He served as Deputy Director for Innovation and Experimentation for the **Navy's Network Warfare Command** where he directed military, government civilian, contractor support and foreign military employees in strategic planning, technology discovery, concept development, experimentation, assessments and new systems integration.

He also served in various leadership roles in operations, maintenance, training and education. Having obtained his Masters in National Security and Strategic Studies from the Naval War College, Newport, RI, he became active in transformation of major Information technology concepts and application. In his last military assignment, Joe served as Associate Professor and Executive Officer of the Navy ROTC (NROTC) program at Southern University and A&M College, Baton Rouge, LA where he ranked in the top 15% of faculty in his first year. Joe McMahon remains very active on the local and national levels to provide high impact educational opportunities and workforce development for grades K-12, undergraduate and graduate studies and IT professionals.

Joe McMahon's steadfast performance distinguished him from his peers throughout his career of more than 20 years as a mentor and technology leader. He currently serves as Advisory Board member for Norfolk State University College of Engineering, and ECPI College of Technology. His actions have earned him special recognition such as 2009 NBDPA Epsilon Career Achievement Award, letters and certificates from members of US Congress, and numerous military awards including two Defense Meritorious Service Medals, three Navy/Marine Corps Commendation Medals, and four Navy/Marine Corps Achievement Medals.

Dr. Charles Worrell | 2010 HSCC & IT Showcase Keynote NROTC Unit - University of Pennsylvania

Dr. Charles Worrell, of The MITRE Corporation, provided opening remarks to parents, students, and participating BDPA members attending this year's Regional High School Computer Competition (HSCC), IT Showcase, and the JEF Robotics Showcase at Bowie State University. Dr. Worrell has worked in MITRE's Center for Enterprise Modernization since 2005. Dr. Worrell serves as the Chief Engineer for the Financial Intelligence Portfolio, and supports the MITRE Innovation Program as Investment Area Lead for the Financial System Oversight Investment Area. Dr. Worrell conducts his own research on automated techniques for detecting financial crimes, and modeling group decision making. He is the principal inventor of the patent-pending DAP-E Method for Decomposing Human Behavior into Quantified Layers of Perception and has developed systems based on Bayesian Inference Networks to detect events such as disease outbreaks, accounting fraud, and other illicit activities for customers that range from the U.S. Securities and Exchange Commission to the nation's Intelligence Community. Dr. Worrell is a graduate of the University of Pennsylvania and former Navy Officer.

bt

The new cyber-option NROTC scholarships are a key part of a comprehensive Navy strategy to attract, recruit and develop elite cyber professionals needed to operate securely and effectively in cyber space. This includes providing intense professional and career development programs for officers, enlisted and civilian cyber security experts. The new cyber-option NROTC scholarship



U.S. Navy photo

Student finalists from NBDPA's New York City Chapter High School Computer Competition (HSCC) Team speak with Admiral Gary Roughead, CNO, during NBDPA's 35th Anniversary Awards Gala Reception. Pictured above (L-R) are Nicholas Reid, Kevin Rey Castillo, Cazemba Richards, and Alan Rosales with the Admiral.

program will allow the Navy to identify the best and the brightest young minds to support the Navy's cyber force.

The Navy will award five cyber-option NROTC scholarships annually to high school seniors or first year college students who individually

place in the top 20 percent at the U.S. Cyber Challenge competition. The competition is a national talent search and skills development program that identifies young Americans with the interests and technical skills required to fill the ranks of cyber security practitioners, researchers and professionals who become the innovative leaders in cyber security.

The students must have also met the requirements for entering the NROTC program, such as maintaining a grade point average of 3.0 or greater on a 4.0 scale, ranking in the top 40 percent of their class, scoring competitively in the ACT and/or SAT and passing a physical exam. Upon commissioning from the NROTC program, the cyber-option scholarship winners will use their skills in cyber warfare leadership positions. NROTC scholarships provide significant benefits, including 100 percent payment of college tuition; full reimbursement for required books, supplies and equipment; a monthly monetary stipend; and active duty pay and benefits for up to 45 days a year.

The NROTC program, overseen by Naval Service Training Command (NSTC) just outside of Chicago at Naval Station Great Lakes, Ill., was established to develop midshipmen mentally, morally and physically and to imbue them with the highest ideals of duty, loyalty and Navy core values. NROTC graduates become Naval officers who possess a basic professional background, are motivated toward careers in the Naval service and have a potential for future development in mind and character so as to assume the highest responsibilities of command, citizenship and government. For more information about applying for **NROTC Scholarships**, visit: <https://www.nrotc.navy.mil>.

For more information about the **U.S. Cyber Challenge** competition, visit: <http://ww.csis.org/uscc> .

bt

Excellence @ Work

Core Competencies

DATA CENTER SERVICES

CONTACT CENTER
MANAGEMENT

CYBER SECURITY

SYSTEMS ADMINISTRATION

ENTERPRISE-WIDE
ARCHITECTURE

BUSINESS PROCESS
REENGINEERING

SYSTEMS DESIGN & SUPPORT

NAICS Codes

541611 541513
541511 519190
561422 541612
541512

Contract Vehicles

| | | |
|-----------|-----------|-------|
| ALLIANT | HUD HITS | TASER |
| CIO-SP2 | HUD SAMS | SITE |
| EAGLE | NETCENTS | Vista |
| ELMS | ITES II | |
| ENCORE II | SeaPort-e | |

Working with You to Broker a “True Partnership in Excellence”

As a Veteran-owned small business (VOSB), V-Tech provides Technical, Administrative, and Management Services (TAMS), Cyber Security, and Contact Center Management support to DoD, Federal, State, and Local clients. Our approach begins with creating a “True Partnership in Excellence” with each engagement that focuses on Performance, Management, and Measure. We call this our PMM approach.



This holistic approach to client service ensures that V-Tech delivers high-quality solutions that are reinforced by solid metrics.

In addition, V-Tech can help your agency with its ever changing **FACE** by improving **F**ocus on quality, enhancing **A**ccountability, facilitating **C**ommitment to readiness, and improving systems and services through our **E**xecution.

In a partnership with V-Tech, you would benefit from our proven technical expertise, industry certifications, financial strength, management expertise, and our unique ability to partner with our clients.

Our Company Slogan, “Excellence at Work,” exemplifies V-Tech’s commitment to partnership-driven success.

V-Tech is currently working in the following agencies:

- US Navy
- US Army
- Veterans Affairs
- Bureau of Alcohol, Tobacco & Firearms
- Environmental Protection Agency
- Housing & Urban Development
- US Census Bureau
- US Patent & Trademark Office



V-Tech Solutions, Inc. is a Veteran and minority-owned, SBA 8a, SDB, and Maryland MDOT MBE certified company.

8720 Georgia Ave. Suite 605 Silver Spring MD 20910 Tel 301.495.2693 Fax 301.588.1065 WWW.V-TECHSOLUTIONS.NET

Where Social Networking and Collaboration meet.

Group communication made smarter, easier and free.

"Groupsite.com gives us the best of both worlds - online and offline."

Michael Weiner, President & Founder, NRG



Communicate, share and network with...



Discussion Forums & Blogging

Communicate easily via subgroups, discussion forums, a group blog and more.



Group Calendars

Share important dates, email invitations and centralize RSVP responses and comments.



Files & Media Sharing

Share files, documents and photos; embed videos, widgets and more.



Member Profiles & Management

Build deeper connections, share objectives, endorse others and more.



Subgroups

Create and organize full-featured mini Groupsites within Groupsites.

For public or private groups. Organize and create...

- Associations, Chapters
Leagues & Teams
- Project Workgroups
- Company Intranets
- Alumni & Board Groups
- Membership Groups
- Conference Communities
- Social Networks
- Community Websites
- Faith-based Websites
- Family Websites
- Reunion & Special Event Groups

What people are saying:

In some ways, Groupsite is to Ning what Facebook is to Myspace.

VentureBeat

David Adewumi, contributing writer, Venturebeat

Some of our customers:



Create a FREE Groupsite today!
Visit www.groupsite.com/x/bdpa



We only hire one kind of person.
The best.



It's time you knew.

At AFCS, we provide civilian support to the United States Air Force, and, as we see it, there is no greater calling. So when you apply for a job with AFCS, the most important thing we want to know about you is, "Are you great at what you do?" If you are, then consider joining one of the leading STEM teams in the world and work with cutting-edge technology, the likes of which you might never see in the private sector. No matter who you are or where you're from, if you're the best, we might have a place for you.

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

afciviliancareers.com



**THINKERS
ARE GREAT.
BUT DOERS
CHANGE
THE WORLD.**

LET'S DO AMAZING



HP IS THE PROUD SPONSOR OF THE
NATIONAL BDPA HIGH SCHOOL COMPUTER COMPETITION

NBDPA Award Winners for 2010



U.S. Navy photo

Captain Joycelin Robinson, US Navy, Commanding Officer, Fleet and Industrial Supply Center Jacksonville (FISJC) was named as one of NBDPA's Epsilon Career Achievement Award winners for 2010. She is shown above speaking with Admiral Gary Roughead, Chief of Naval Operations (CNO), during an NBDPA VIP reception.

2010 Global Corporate Awards

Corporation of the Year - HP
 Corporate Champion of the Year - Regan Scruggs (Johnson & Johnson)
 Epsilon Award | Corporation - Eli Lilly & Company
 Best Companies for Blacks in Technology - Allstate Insurance, American Airlines, Compuware, Eli Lilly, Health Care Service Corp, IBM, Intel, Merck, Prudential Financial, State Farm Insurance, the U.S. Navy, Wal-Mart Stores, WellPoint and Wells Fargo

2010 Epsilon Awards | Individual

Career Achievement - Wheeler Coleman, Health Care Service Corporation
 Career Achievement - Captain Joycelin Robinson, U.S. Navy
 Professional Achievement - William Marcus King, State Farm Insurance Company
 Community Service - Donald Brown, Prudential Financial Company
 Community Service - Sheila Marionneaux, Health Care Service Corporation
 Technical Contribution - Sharon Murphy, Wells Fargo Bank
 Technical Contribution - Cheryl Terry, Wells Fargo Bank

2010 National Awards

NBDPA Chapter of the Year - BDPA Philadelphia (4th year in a row)
 - BDPA Cincinnati (Second Place)
 - BDPA Northern Delaware (Third Place)
 Community Service Award - BDPA Cincinnati
 Management Award - BDPA Northern Delaware
 Professional Services Award - BDPA Philadelphia
 Chapter Membership Award - BDPA Southern Minnesota
 Outstanding Chapter President - Perry Carter, President, BDPA Washington, D.C.
 Outstanding Member - Monica Bowe, NBDPA Outside Director ; BDPA Cleveland
 Outstanding Contributor - Joseph McMahon; President, BDPA Hampton Roads

2010 National High School Computer Competition (HSCC)

First Place - BDPA Southern Minnesota Chapter (4th year in a row)
 Second Place - BDPA Washington, D.C. Chapter
 Third Place - BDPA Chicago Chapter
 Fourth Place - BDPA Detroit Chapter
 Fifth Place - BDPA St. Louis Chapter

2010 IT Showcase College Division | ITSC-10

- 1st Place: Frederick L. Smith, III (California University of Pennsylvania)
 - 2nd Place: Naaman Cephas (Delaware Technical & Community College)
 - 3rd Place: Ahmed Mahamed (University of Minnesota)

2010 IT Showcase High School Division | ITSC-10

- 1st Place: Cherise Poole (Pencader Charter High School, New Castle, DE)
 - 2nd Place: Kenyatta Malloy (Friendly High School, Ft. Washington, MD)
 - 3rd Place: Whitney Wilson (Pencader Charter High School, New Castle, DE)

U.S. Fleet Cyber Command

U.S. 10th Fleet Reestablished



Ft. Meade, MD—The chief of naval operations (CNO) officially established U.S. Fleet Cyber Command (FCC) and recommissioned U.S. 10th Fleet during a ceremony at Fort George G. Meade, Maryland last January. At the ceremony, Admiral Gary Roughead, CNO, also named Vice Admiral Bernard J. McCullough III the commander of both FCC and 10th Fleet.



US Navy Photo

Rear Admiral William E. Leigher
 Deputy Commander,
 U.S. Fleet Cyber Command/
 Deputy Commander, U.S. 10th Fleet

RDML Leigher served as an Executive Panelist during this year's National BDPA Technology Conference.

Rear Admiral William E. Leigher (left), is Deputy Commander, U.S. Fleet Cyber Command/ Deputy Commander, U.S. 10th Fleet. RDML Leigher reported to his current assignment last November.

The new FCC and 10th Fleet are headquartered at Fort George G. Meade, taking advantage of existing Naval Network Warfare Command infrastructure, communications support and personnel already in place. FCC and 10th Fleet

have been created as part of the CNO's vision to achieve the integration and innovation necessary for warfighting superiority across the full spectrum of military operations in the maritime, cyberspace and information domains. This initiative will help raise information to the forefront of the Navy's 21st century arsenal.

FCC's mission is to direct Navy cyberspace operations globally to deter and defeat aggression and to ensure freedom of action to achieve military objectives in and through cyberspace; to organize and direct Navy cryptologic operations worldwide and support information operations and space planning and operations, as directed; to direct, operate, maintain, secure and defend the Navy's portion of the Global Information Grid (GIG); to deliver integrated cyber, information operations cryptologic and space capabilities; and to deliver global Navy cyber network common cyber operational requirements.

bt

40 trillion bits of data per second

... can you find the one that threatens our world?



The National Security Agency (NSA) gathers and analyzes millions of foreign signals every day and is responsible for protecting U.S. Government information systems. It takes a team of incredibly talented professionals to capture the information, protect it, and identify the one signal that could be a threat to our world.

If you want to help to keep the world safe, apply to NSA.

NSA employees are some of the most intelligent people in the intelligence business. Now we need you to put your intelligence to work for NSA. With opportunities in most career fields, NSA offers an incredible benefits package, competitive pay, and the satisfaction of making the world a safer place.



APPLY ONLINE WHERE INTELLIGENCE GOES TO WORK®

- | | | |
|-----------------------------------|-------------------------|------------------------|
| > Computer/Electrical Engineering | > Foreign Language | > Business Management |
| > Computer Science | > Intelligence Analysis | > Finance & Accounting |
| > Information Assurance | > Cryptanalysis | > and More |
| > Mathematics | > Signals Analysis | |

Visit our Web site for a complete list of current career opportunities.



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.

www.NSA.gov/Careers



Diversity inspires.

IBM commends the National Black Data Processing Associates for their commitment to diversity, and for recognizing companies that excel in this area.

As we move towards a globally integrated economy and society, we find ourselves at a moment of enormous challenge – and of great opportunity. The world is getting smarter. And diversity is vital to a Smarter Planet. The skills arising from individual differences are invaluable to business growth. IBM celebrates and leverages diverse perspectives and, through its progressive workforce and procurement policies, creates a culture of inclusion and equal opportunity for both employees and suppliers. Let's build a Smarter Planet.



ibm.com/diversity



Government 2.0 | Visit www.dc3.mil U.S. Cyber Challenges for "Back-2-School" Night



TeraGrid™

High Performance CS-STEM Competitions!

Washington, D.C.—This decade, IEEE, JEF, NBDPA, TeraGrid, Top Coder, USACO, and the U.S. Cyber Challenge Consortium are among several CS-STEM organizations expanding college and high school student math, computer, and robotics competitions. These emerging cyber initiatives are in direct support of organic growth and talent acquisition to enhance workforce development in every corner of the United States, the District of Columbia, and U.S. Territories to fill the ranks of cybersecurity practitioners, researchers, and warriors. The following is a condensed list of competitions, some of which are outlined in an article recently written by **Peggy Albright** for IEEE.

TopCoder | TCO10 (October 10-14, 2010)
Corporate/Agency Co-Sponsors | **TopCoder** and **NSA**

The 2010 TopCoder Open (TCO) is a world-wide programming and graphic design tournament that is open to all TopCoder members 18 and older, who are in good standing, and meet all other eligibility criteria. There are six competition tracks as part of the TCO: Algorithm, Design, Development, Marathon, Mod Dash, and Studio Design. There also is a TopCoder High School Tournament.

IEEEExtreme 4.0 (October 23, 2010)
Corporate/Agency Co-Sponsors | **IEEE.org**

The IEEE offers its annual IEEEExtreme contest, a 24-hour online competition in which student teams compete to solve a challenge set of programming problems to win trips to IEEE conferences and other prizes.

US Cyber Challenge (Dates vary by State and host Organizations)
Corporate/Agency Co-Sponsors | **TW Telecom, CKSF.org, and DoD**

The High School Cyber Challenge is designed to find students interested in computer science, and expose them to cybersecurity. The competition utilizes quizzes written by the world's foremost cybersecurity experts. The quizzes are given to the students, who are allowed to work on them alone or in teams. Everything is open Internet, open book, and the winners are determined by the number of correct answers found in the least amount of time. Students who score well and find interest in the material are encouraged to compete in the more advanced games of the US Cyber Challenge.

See **Computer Competitions** on Page 15

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).





Thanks to **You,**
A beautiful day at the park feels
like a lifetime of sunshine.



It's just one more place we see the benefits
of improving the lives of the people we serve.

As one of the **2010 Best Companies for Blacks in Technology** recognized by BDPA and WorkplaceDiversity.com, WellPoint is proud of our dedication to diversity. Still, with all that we've achieved, we will always strive to better attract, retain and develop top diverse talent. One way is through our Associate Resource Groups (ARGs), where employees work to develop and sustain our culture of inclusion, enhance and maximize customer relationships, and create and leverage leadership opportunities for all of our associates. Through these ARGs, we're able to better address our customers needs, and ensure that our workforce is as unique as our wide range of health benefits products.

At WellPoint, diversity is more than just the 'right thing to do.' It's the way we approach business, how we interact within our communities, how we mobilize our employees and, more than anything, why we appreciate moments like this.

**Visit our booth at the BDPA Annual Conference
Career Expo to learn more.**

You can also visit us online at: www.wellpoint.com/careers or fan us
on Facebook at www.facebook.com/WellPointCareers.



* Registered Trademark, WellPoint, Inc.
* Registered Trademark, DiversityInc Media LLC
© 2010 WellPoint, Inc. All Rights Reserved. EDE

ACM-ICPC (TBD near February 2011)

Corporate/Agency Co-Sponsors | **IBM** and **ACM.org**

The **Association for Computing Machinery International Collegiate Programming Contest** culminates in a world championship that it calls "The Battle of the Brains." The ACM-ICPC challenges university students from around the world to create software programs that will help improve important environmental, health, and social issues. Winners receive prizes and scholarships.

Another popular contest IBM sponsors is Master the Mainframe, which challenges students to perform real-life systems programming tasks on its mainframe technology, "**System z**." The contest offers prizes as cash, consumer electronics products, and trips to IBM's mainframe plant in Poughkeepsie, NY.

USACO (TBD Spring 2011)

Corporate/Agency Co-Sponsors | **IBM** and **ACM.org**

The **USA Computing Olympiad** supports pre-college computing around the world through computer programming competitions and training materials. The USACO holds six (6) Internet Contests during the academic year, and in the late Spring conducts the US Open, a proctored exam.

Based on the results of these contests, 16 students are invited to an all-expense-paid training camp in the early summer, where four (4) students are selected to be the US Team at the International Olympiad in Informatics (IOI).

National HSCC (August 3-6, 2011 | Chicago, IL)

Corporate/Agency Co-Sponsors | **HP, ONR** and **BDPA.org**

NBDPA's National High School Computer Competition (HSCC) challenges pre-college students from participating BDPA Chapters to remain knowledgeable about industry trends through research and interactive Q&A sessions and then participate as a team in rapid-design, development, deployment activities to formally present an application to judges for prizes and BETF scholarships.

National ITSC (August 3-6, 2011 | Chicago, IL)

Corporate/Agency Co-Sponsors | **HP, NSF** and **JEF.org**

NBDPA's National IT Showcase (ITSC) challenges pre-college and college students to research a leading edge IT topic, write and submit a 10-page paper with a one-page bio, prepare a 15-minute presentation with a 3' X 4' poster which graphically represents the paper, and formally present posters to judges for prizes or scholarships.

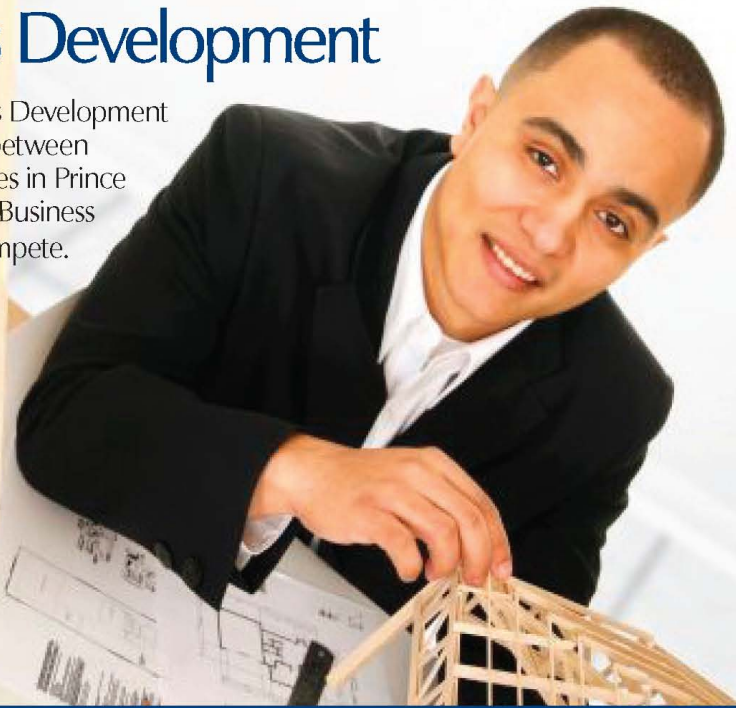
Contact NBDPA and local chapters for contests near you. **bt**

We're Charting a NEW COURSE in Minority Business Development

The goal of the Center for Minority Business Development (CMBD) is to narrow the participation gap between minority and non-minority owned businesses in Prince George's County by helping Local Minority Business Enterprises (LMBE) build the capacity to compete.

Our innovative approach includes:

- LMBE Accelerator Program
- Entrepreneurial Development Program
- Technical Assistance
- Executive Coaching



INNOVATIVE BUSINESS EXCELLENCE

Call the CMBD to learn how we can help you grow your business
www.cmbd.biz • cmbd@pgcc.edu • 301-583-5205



PRINCE GEORGES
COMMUNITY COLLEGE

Networking the Neighborhood

TeraGrid – Education, Outreach, and Training [EOT]

San Diego Housing Project Learning Center Builds Next Generation Technology Leaders Through a New Partnership with UCSD and SDSC



On the front porch of the Learning Center, a group of students gather to work on a music video using a digital video camera and audio equipment. From there, the students learned to incorporate animation, stills and music into the video, for a complete multimedia experience.

San Diego, CA—Thanks to a new partnership with UC San Diego (UCSD) and the San Diego Supercomputer Center (SDSC), a TeraGrid resource provider, the digital divide is narrowing a bit in Southeast San Diego. Students, kindergarten through community college, living in a federally subsidized housing project are learning and exploring their own interests through video production and editing, animation, programming, and the latest software tools. After school activities, once dominated by physical play and games, now encompass teens and preteens working a digital video camera, building their own multimedia website, and constructing a virtual version of their own community within a group learning environment. "It has opened up a whole new vision for these kids," said Veverly Anderson, Youth Program Coordinator at the Town and Country Village Learning Center, an outreach program of the San Diego Community Housing Corporation. "They are learning to use the tools of the Information Age such as visualizations, games, scripting, and now they can see they have the potential to do technical things. And they are soaking this all up like a sponge."

See Networking the Neighborhood on page 17

Woman-Owned | HUBZone-certified | Small Business | Strategic Communications | Graphic Design | Events | Video | Media Relations | Web Design/Development



Communicating the Business of Government



CorpComm Congratulates this Year's HSCC Participants and Tomorrow's Technology Superstars!

A Seaport-e Small Business Prime Contractor

CorpComm proudly sponsors the annual Regional High School Computer Competition (HSCC).

2300 Fall Hill Avenue, Suite 511 Fredericksburg, VA 22401

info@corpcomm-inc.com

540.834.2467



Infotek International, Inc. provides unparalleled service in the areas of: Information Technology, Business Management and Training. Infotek uses traditional and leading edge technologies including High Performance Computing, Serious Games and Virtual Worlds.

Our corporate culture is to mentor tomorrows minds in Science, Technology, Engineering, Mathematics and ethical leadership.

The world is experiencing exponential changes and Infotek is committed to consistently delivering high quality products and services.

Infotek is an ISO 9001:2008 certified company in Software Development and Project Management.



"Quality Processes, Results in Quality Solutions for Quality Clients"



Infotek International, Inc
1282 Smallwood Drive #361
Waldorf, Maryland 20603
www.infotek-intl.com
Office: 240-627-7026

Networking the Neighborhood *from page 16*

The project's inspiration comes from Michael Cole, a UC Professor of Communication, Psychology and Human Development at UCSD, who has pioneered innovative after school programs that bring computers and computer networks to children in school and community settings, creating technology- enhanced learning environments. Turning that equipment into tools to enhance learning requires dedicated teachers, though, so each quarter, ten to sixteen UCSD students work with young residents at the Town and Country Learning Center four days per week as part of UCSD's practicum and service learning programs. Graduate students supervise the program onsite while the undergraduate students help the residents with a wide variety of activities, from tutoring to video production. Cole has enlisted support from SDSC to help identify and implement user-friendly software and programming tools to support student learning and allow them to build technology tools that fit into their interests, from gardening to nutrition to physics to art and music. "We are providing a basket of activities and tools that give the kids ways to explore, discover, and build their own creations around things that really interest them. It is fundamentally the same type of service that SDSC provides for scientists," said Diane Baxter, SDSC's Education Director. "It is just amazing how quickly they adopt the technology skills and start creating their own knowledge with these skills." Added Cole: "I think it is really useful to get these kids in the housing project connected to American society and the world, because it is all part of their future and they cannot afford to be unconnected."

Portfolios created from the students' own projects help Cole's graduate students follow the progress of the Learning Center youngsters and evaluate the effectiveness of the technology-based activities to support learning. At the same time, their academic progress is monitored through their report cards. To provide a complete record of the project and the process of infusing technology into the Learning Center's activities, each of the UCSD undergraduates submits daily field reports of their observations, as well as their personal reflections on their experiences. All are filed on a project portal with a variety of tools to promote interaction among the students and advisors. "This is our way to get our students out of the multiple choice mode and dealing with real phenomenon that they read about in their textbooks," said Cole.

"Having the students here with the undergrads and graduate students and the professors gives the kids the one-on-one attention they need," said Anderson. "Also, it is inspirational to the kids because they are now interacting with college students who are helping them to learn essential skills to bring their diverse perspectives and creative talents to the next generation of technology leadership."

bt

WE **Love** LIKE DIFFERENT.

DIVERSE IDEAS ARE HOW WE'VE COME TO
LEAD THE WORLD IN APPLICATION PERFORMANCE.



COMPUWARE IS PROUD TO SUPPORT THE
32ND NATIONAL BDPA TECHNOLOGY CONFERENCE.

Learn more about Compuware and our career opportunities at www.compuware.com/careers

COMPUWARE IS AN EQUAL OPPORTUNITY EMPLOYER



Office of Naval Research

At the Office of Naval Research (ONR), science springs to life. Our diverse team of scientists, researchers and engineers turn academic principles into actual technologies that give our military the edge against an ever-changing threat.

ONR takes pride in the spirit of innovation and collaboration that fuels our accomplishments, earning accolades along the way for the quality of our work environment:

- ★ 2007 Best Places to Work (Office of Personnel Management)
- ★ 2008 Most Admired Employer (US Black Engineer and Information Technology Magazine, Hispanic Engineering Magazine, and Women of Color Magazine)
- ★ 2010 Top Supporter of HBCUs

It's the same spirit that has earned the U.S. Navy honors as one of the nation's Best Diversity Companies (Diversity/Careers in Engineering and Information Technology Magazine, 2008) and the Work Life Legacy Award from the Families and Work Institute. And it's also why the U.S. Navy is on par with the top 50 companies to work for in the United States.

"I am committed to ensuring that we, as a Navy, are going to be one of the best places for a young person to start their career. We must all think and work as an organization to attract, recruit and retain our nation's best and brightest now and in the future."

-- ADM Gary Roughead, Chief of Naval Operations



Consider a career with the Office of Naval Research.
For more information about ONR, visit
www.onr.navy.mil



this issue's success story

HBCU/MSI's, local governments and Industry leaders continued to provide venues and inspirational messages to young men and women interested in Computer Science-STEM (CS-STEM) careers or entering technical fields. National HSCC and ITSC participants successfully competed in Philadelphia during last month's National BDPA Technology Conference contests.

Inside our
next issue:
CBCF ALC

Special 2010 Legislative Edition

Supercomputing Conference

SC10 Preview

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**.

bdpatoday

611 Pennsylvania Avenue, S.E.
Suite #213
Washington, D.C. 20003-4303

FIRST-CLASS MAIL
AUTO
U.S. POSTAGE PAID
WASHINGTON, DC
PERMIT NO. 783