

BDPA Members to attend 2010 Global STEM Conference and BEYA Ceremonies in Baltimore for BFTAW.

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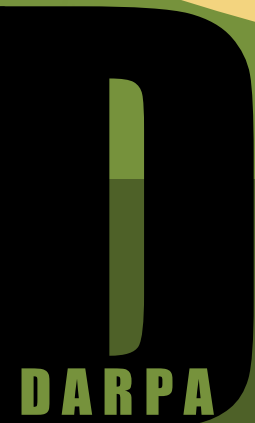
CS-STEM Grants are available from DARPA and other agencies in FY-10. Several proposals are due next month.

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BDPA Student Members benefit from local chapter SITES Programs. Community involvement sought.

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Advancing technical careers from the classroom to the board room



washington dc chapter
February | 2010

bdpatoday

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DARPA | Information Processing Techniques Office (IPTO)



Photo credit: DARPA

Washington, DC—The mission of DARPA's Information Processing Techniques Office (IPTO) is to understand the world. From sensing to cognition, DARPA brings the future of computing to the warfighter. Many of these technologies ultimately will reach corporate America and our universities. Today, DARPA's IPTO programs create the advanced

information processing and exploitation science, technologies, and systems for revolutionary improvements in capability across the spectrum of our national security needs. The capabilities that IPTO enables will lift the fog of war and systems for revolutionary improvements in capability across the spectrum of national security needs. The capabilities that IPTO enables will lift the fog of war and increase the speed and accuracy of decision-making for the warfighter. IPTO aims to ensure U.S. superiority in all areas where information can provide a decisive advantage, including:

1. Anticipating potential adversary actions in advance of actual hostilities;
2. Shaping the battlespace before and during conflict;
3. Improving the effectiveness of major combat operations; and
4. Providing force multipliers for post-conflict reconstruction and stability operations.

Information technology is now pervasive in society and has brought radical changes to the way we work, the way we conduct business, and the ways we socialize.

See **DARPA** on Page 9

Raytheon's John Harris, II Named 2010 Black Engineer of the Year



Photo credit: CCG

WALTHAM, MA—Raytheon Company's John D. Harris II, vice president of Contracts and Supply Chain, is the recipient of the 2010 Black Engineer of the Year Award (BEYA).

Harris was chosen from 150 other

business applicants for the coveted honor. BEYA recognizes the achievements of diverse leaders and rewards excellence in the fields of science, technology, engineering and math (STEM).

"A strong business leader and role model, John's career has been characterized by tremendous achievement and by a determination to inspire others to reach their full potential," said William H. Swanson, Chairman and CEO of Raytheon Company. "His professional accomplishments are matched by a lifelong commitment to community service."

See **Honoree** on Page 3



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2010 BEYA STEM AWARDS:

2010 Black Engineer of the Year Honoree

A 26-year veteran with Raytheon, Harris is responsible for the leadership, direction and performance of the company's Contracts and Supply Chain organizations, and for the development and implementation of global supply chain solutions in the service of Raytheon's customers. He is part of the company's senior leadership team, which leads strategic planning and operational management for the company.

He was appointed by Swanson as Raytheon's 2006 Executive Diversity Champion where he led diversity and inclusion efforts throughout the organization. During his two-year term, Harris created the Executive Diversity Leadership team at Raytheon, which continues to act as a liaison between management and employees on issues of diversity.

As an active community supporter, Harris donates his time to organizations like the Urban League of Eastern Massachusetts, the Executive Leadership Council and Executive Leadership Council Foundation.

"I'm honored to have been selected for this prestigious career achievement," said Harris. "I'm especially proud because this award is also a tribute to Raytheon's unwavering commitment to the important principles espoused by BEYA since its inception 24 years ago."

Harris will receive the award at the BEYA Conference on Feb. 20, 2010, in Baltimore, Md.


Raytheon's Vince Ellerby, Patrick Cook and David Harrington will also be recognized at a special luncheon during the conference honoring Modern Day Leaders.



02.18.10 – Growing Strong *IT* Relationships

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On Thursday, February 18th, 2010 Career Communications Group (CCG) will host their 24th Annual Black Engineer of the Year Awards (BEYA) and STEM Expo at Baltimore Convention Center in Baltimore, Maryland. NBDPA and Regional BDPA Chapters encourage maximum participation and attendance during each of this month's local BFTAW events. See Page 4 for additional details. BDPA members and stakeholders continue to form special interest groups (SIGs) within their respective local BDPA Chapters to provide technical support along with professional development services and other strategic partnerships. Visit our national and local chapter Groupsites for events and related BFTAW announcements near you.

To schedule a BDPA event near you, visit our chapter's website at www.ncr-bdpa.org for meeting and event locations or call our national office in Largo, MD at 800.727.BDPA (2372). 



TeraGrid '10
August 2-5, 2010
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HP: Pioneering Grid Computing's Move Into The Enterprise Market



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**National High School Computer Competition
July 2010—Philadelphia, PA**

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CAREER
COMMUNICATIONS GROUP, INC.

SAVE

BEYA STEM

GLOBAL COMPETITIVENESS CONFERENCE

Baltimore Convention Center, Baltimore, Maryland

February 18-20, 2010



THE DATES

CCG EVENTS

WOMEN OF COLOR STEM CONFERENCE

October 28 – October 29, 2010
Sheraton Dallas Hotel
Dallas, Texas

www.womenofcolor.net

BLACK FAMILY TECHNOLOGY AWARENESS WEEK

February 14-20, 2010

www.blackfamilynet.net

Career Communications Group Inc. founded Technology Awareness Programs



For more information
please contact:
Career Communications
Group Inc.
729 E. Pratt Street, Fifth Floor
Baltimore, MD 21202
410-244-7101

Conference Sales:
Richard Butler, ext. 118

Technology Awareness
Programs:
Miller Roberts, ext. 124



DoD High Performance Computing Modernization Program Joint Educational Opportunities for Minorities (JEOM) Internships

The High Performance Computing Modernization Program (HPCMP) delivers world-class commercial, high-end, high performance computational capability to the Department of Defense (DoD). The program supports approximately 4,500 scientists and engineers located at over 125 DoD laboratories, test centers, universities, and industrial sites. With shared resource centers located throughout the United States, the program nurtures a culture in which DoD's scientists and engineers routinely use advanced computational environments to address the DoD's most complex and challenging problems. The program helps the DoD maintain the technological edge required to analyze, design, produce, and deploy new technology concepts, advanced weapons systems, and warfighting capabilities. It shares resources across the DoD Services and Agencies to foster collaboration, reduce overall acquisition and sustainment costs, and provide focused support for the DoD science and technology and test and evaluation communities.



Internship Description

The DoD HPCMP created the JEOM Program for students from underrepresented groups, who are pursuing studies in the science, information technology, engineering and mathematics (STEM) disciplines.

The goal of the program is two-fold:

1. Ensure a competitive and diverse workforce within the DoD offering training, mentorship, and career development for undergraduate students in the STEM disciplines.
2. Keep students who have an interest in computational science and high performance computing challenges important to DoD.

JEOM offers well-qualified, highly-motivated students an opportunity to work with seasoned and well-respected scientists and engineers located at DoD laboratories and test centers across the country. Interns gain experience in key areas such as computational science, information technology, computer science, and scientific visualization.

Approximately 35 students can be accepted into the program, which runs for approximately 10 weeks during the summer. The JEOM Program will match interns with mentors, primarily, on the basis of their background, preparation, and areas of interest. At the end of the program, the interns will present their accomplishments to representatives at host institutions and provide written reports on their research to the Program Director.

Qualifications

- Must qualify as a member of an underrepresented group in a STEM discipline
- US Citizenship required
- Ability to obtain and maintain a Secret Clearance
- 3.2 GPA or higher
- The ability to work well in a team setting; a positive attitude and a bias for action; above average multi-tasking skills; and demonstrated leadership skills.
- Completed sophomore year in college by the start of the program.



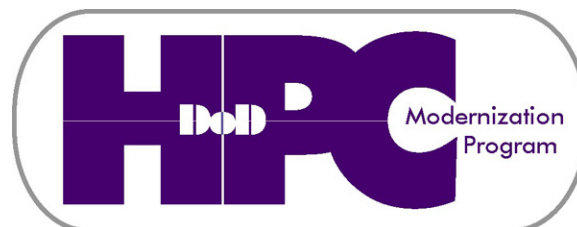
Compensation

The stipend is based on level of experience and varies. The JEOM Program will provide travel expenses to and from the host institution. Pre-approval is required.



Apply before March 22, 2010

www.hpcmo.hpc.mil



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- Family Websites
- Reunion & Special Event Groups

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VentureBeat

David Adewumi, contributing writer, Venturebeat

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- **Strategic Sourcing Solutions** – We consolidate staffing requirements to deliver a strategic sourcing solution that achieves cost efficiencies based on a defined volume of similar work.
- **IT Consulting Services** – We partner with our clients to provide traditional staff augmentation services, delivering resources to support customer-led IT programs and projects. We provide personnel who possess business knowledge and experience, with accompanying IT skills, to understand and achieve IT-related business goals.
- **Project Delivery Services** – DISYS offers real-world project experience coupled with exceptional acumen for clarity and delivery. This valuable combination ensures the right mix of innovation and tried-and-true technique for consistent project delivery.

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- Defense and Security
- Energy and Utilities
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- Oil and Gas
- Technology
- Telecommunications
- Transportation and Hospitality
- State/Local Government & Education

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all aboard?



Technology Awareness Program

A COMMUNITY TECHNOLOGY DEVELOPMENT & AWARENESS PROGRAM

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.



For more information call
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La familia Network
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Native American Family Network
www.firstpeoplesnet.net



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DARPA CS-STEM GRANTS for FY-10

The United States has entered into a significant national decline in the number of college graduates with STEM degrees. This downward trend is an issue of national importance as it affects our capacity to maintain a technological lead in critical skills and disciplines related to CS-STEM.

DARPA is interested in proposals with innovative new ideas to encourage students to major in CS-STEM and pursue careers as engineers and scientists. Increasing the number of graduates in Computer Science is a key goal, but the project will also be considered a success if the number of graduates in the broader STEM community is



increased. The goal of the CS-STEM Education project is to develop a well-educated population of college-level graduates in computer science, science, technology, engineering, and/or mathematics.

This may be accomplished by various means; however, proposals are expected to describe the model to be used, which must include two basic elements: Student Activities and Organizational Structure. Offerors must create compelling activities, requiring STEM, that are targeted to middle (grades 7, 8) and high school (grades 9, 10, 11, 12) students. In order to determine whether the proposed efforts can meet the project's goal, metrics will include continuity, national presence, and sustainability of a viable CS-STEM Education project.

BDPA-DC Photo—bdpatoday

DARPA | [Continued from Cover Page](#)

Computing has revolutionized warfighting as well, bringing great improvements in weapons, platforms, command and control, battlefield intelligence, and logistics. DARPA's leadership in the development of modern computing, communications, and information technology is well-known and includes such advances as time-sharing and the ARPANET/internet. Just as important for the DoD has been DARPA's success in creating new command, control, sensor, processing, and exploitation technologies and systems such as the Command Post of the Future and Ground Moving Target Indication radar.

At DARPA, IPTO is building on these past successes by supporting research, applied research and prototyping in the key Thrust Areas of Cognitive Systems; Command & Control; Language Processing; High Productivity Computing; Sensors & Processing; and Emerging Technologies.

For exciting CS-STEM career, internships, and grant programs sponsored by DARPA, visit www.darpa.mil. **bt**

BDPA-DC Regional

HSCC, IT Showcase, and Technology Conference



June 4-5, 2010

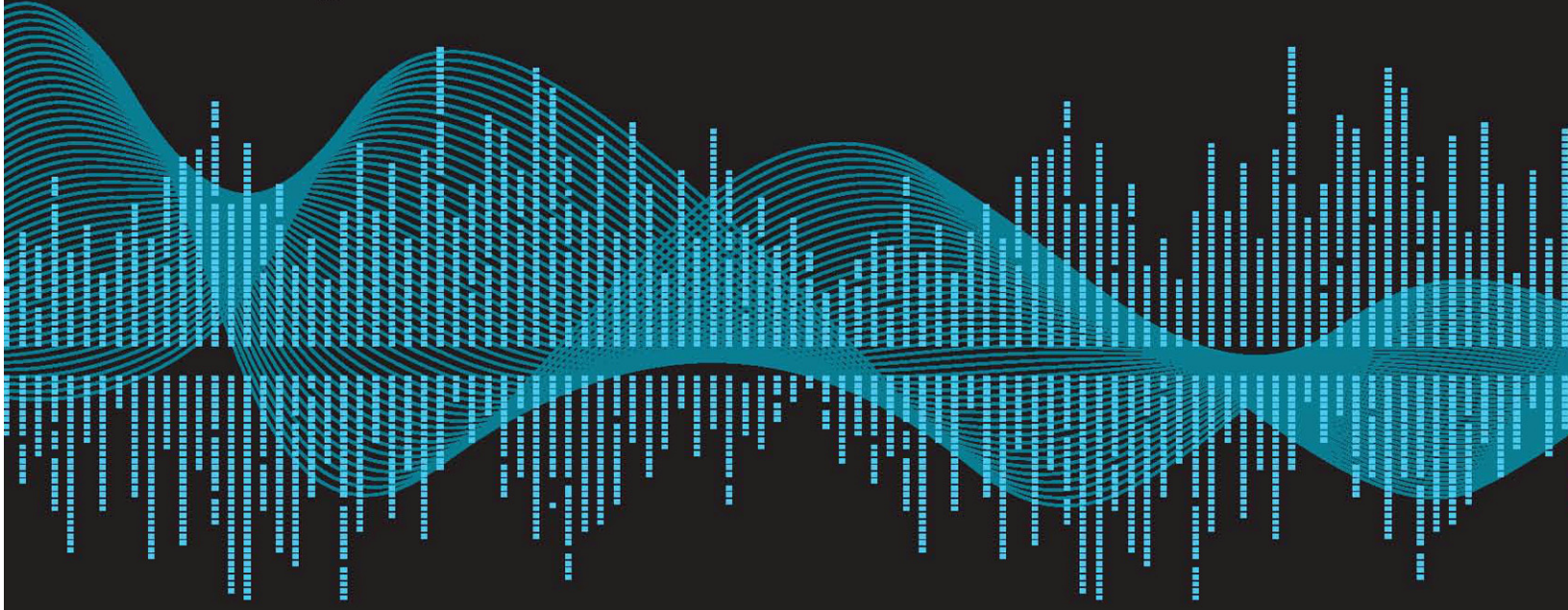
- ✓ Technology & Career Workshops
- ✓ Quarterly Recruiters' Roundtable
- ✓ Regional High School Computer Competition (HSCC)
- ✓ Regional IT Showcase (ITSC)
- ✓ Advanced Planning Briefing to Interns (APBi) for Fall 2010
 - Graduate, College and High School candidates
 - Important December/January deadlines

Register Online by May 15
www.ncr-bdpa.org

For more information on BDPA, BDPA's academic, public, and private sector engagements in the National Capital Region (NCR), visit the organization's Groupsite enhanced by Groupsite.com.
<http://bdpa-dc.groupsite.com>



Many Sounds.



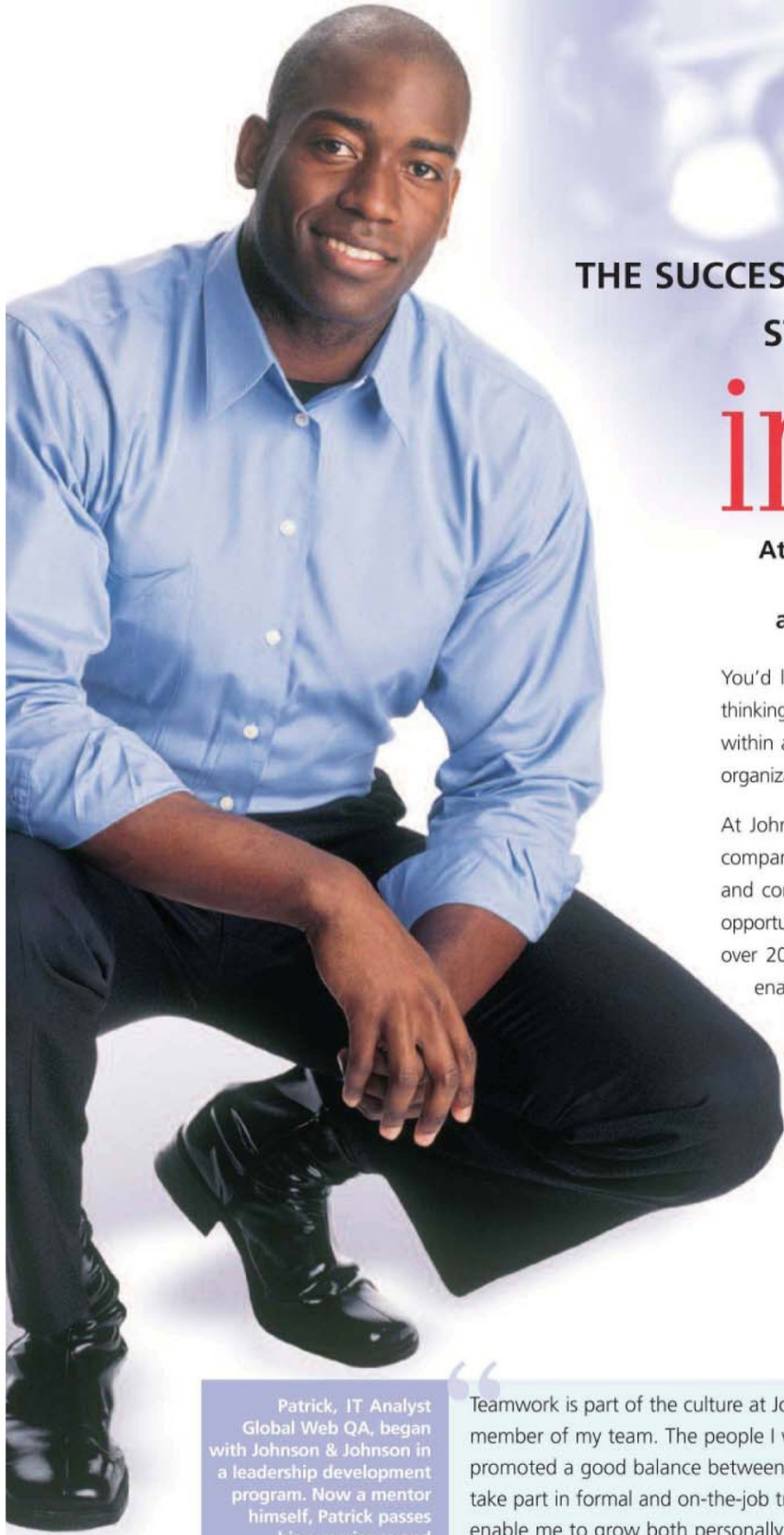
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Patrick, IT Analyst Global Web QA, began with Johnson & Johnson in a leadership development program. Now a mentor himself, Patrick passes his experience and insights on to others.

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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this issue's success story

Career Communications Group (CCG) announces, Raytheon Company's John D. Harris II, vice president of Contracts and Supply Chain, is the recipient of the 2010 Black Engineer of the Year Award (BEYA).

Inside our
next issue:

FOSE 2010
STEMMadness
A **BDPA Reunion**

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) 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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