

CHANGES

COALITION OF HISPANIC, AFRICAN AND NATIVE AMERICANS FOR THE NEXT GENERATION OF ENGINEERS AND SCIENTISTS



Broadening Science Technology Engineering Mathematics (STEM) Together

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CHANGES

COALITION OF HISPANIC, AFRICAN AND NATIVE AMERICANS FOR THE NEXT GENERATION OF ENGINEERS AND SCIENTISTS



Left to Right: Front Row—Njema Frazier, Hattie Carwell, unidentified, Arnetta McRae, Paula Jackson, Monique Berry, Jose Fernandez, Ruby Ramirez, Steven Thomas, Candi Hudson, Tora Davis, Michael Acosta; Second Row—Victor McCrary, Bobby Wilson, Lawrence Norris, Craig Brown, Rosalina Bray, Polina Bakhtiarov, Kathy Dixon, David Wilson

HISTORY

On September 24, 2012, representatives from ten minority technical professional organizations met in Washington, DC at the Wardman Park Hotel to sign a Memorandum of Understanding (MOU) to agree to work together to strengthen their influence on STEM development and to help one another more effectively reach mutual goals and objectives.

MISSION

To bring the collective influence of our coalition of Hispanic, African American, and American Indian STEM and architecture-focused professional organizations to bear in the effort to broaden participation in STEM and architecture; specifically by encouraging scientific and technical excellence, fostering workforce development and inclusion, and developing policies and programs that promote workforce diversity in science and engineering.

GOALS

1. To elevate the national visibility and influence of the member organizations in the development of STEM research, policy and educational programs
2. To strengthen our member organizations' programs and finances in support of the next generation of scientists and engineers from diverse backgrounds, as well as our current population of under-represented minority professionals.



AMERICAN ASSOCIATION OF BLACKS IN ENERGY®

Energy Knowledge for Community, Our People, Our Tomorrow



Purpose

- ◆ To serve as a resource for policy discussion of the economic, social and political impact of environmental and energy policies on African Americans and other minorities.
- ◆ To ensure involvement of African Americans in governmental energy policymaking by recommending capable sensitive and informed personnel to appropriate officials.
- ◆ To encourage both the public and private sectors to be responsive to the problems, goals and aspirations of African Americans in energy-related fields.
- ◆ To encourage African American students to pursue careers in energy-related fields and to provide scholarships and other financial aid for such students.

The American Association of Blacks in Energy (AABE) is a national association of energy professionals founded and dedicated to ensure the input of African Americans and other minorities into the discussions and developments of energy policies regulations, R&D technologies, and environmental issues.

HISTORY

The American Association of Blacks in Energy was formed in 1977 during our nation's energy crisis. At the time, newly elected President Jimmy Carter established a special task force to study the energy problem and develop recommendations. However, absent from the task force were persons of color representing the interests to blacks and other minorities. It also had few, if any, persons with experience in any of the major energy sectors. A small group of Blacks, many of whom worked for energy companies, were concerned that Blacks and other minorities were not well represented in this task force and they understood the strong correlation between energy resource development and economic growth.

While President Carter's taskforce was meeting this group of African American professionals met and the American Association of Blacks in Energy was formed. This new organization believed that Blacks who had knowledge and understanding of the U.S. energy situation should bring their thinking to bear on energy policy-making. Today, the AABE still works towards its goal to ensure that African Americans have a voice in the policy discussions around energy. With more than 35 chapters around the country, the organization hosts events to educate people about energy issues and the impact that energy policies has on our communities.

AMERICAN ASSOCIATION OF BLACKS IN ENERGY

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AMERICAN ASSOCIATION OF BLACKS IN ENERGY®

Energy Knowledge for Community, Our People, Our Tomorrow



PROGRAM HIGHLIGHTS

AABE programs consist of initiatives that touch virtually every level of professional in the industry and engage key communities at multiple touch points.

The Energy Policy Summit is annual gathering of national leaders with legislators and policy makers for discussions of energy policy issues. **Over 35 National organizations support the AABE Energy Summit**

Annual Industry Conference is a national conference where energy professionals, industry luminaries, and government leaders discuss/ highlight industry trends, and share best practices. **Over 20 energy critical information sessions presented over 3-days.**

AABE Institute is a partnership and collaboration with higher education institutions for global, professional and entrepreneurial business development.

AABE Knowledge Library is a series of partnerships and initiatives that provide information to support learning and professional development. **The Library includes sponsored research that examines the impact of energy policy on minority communities as well as employment and small business opportunities in the energy industry.**

Student Education and Support - The AABE encourages and supports the development of education:

- *STEM Education Initiatives*
- *AABE Scholarship Program*
- *AABE College chapters*
- *Post graduate policy internships*
- *Local support of early education*
- *Provides over 100 scholarships annually to STEM focused students*

Consumer Outreach - Outreach is a strength of all AABE chapters through which AABE connects with community stakeholders and volunteer organizations to provide energy education, and participate in community programs. **AABE chapters participate in over 75 different initiatives annually.**



2013 CALENDAR of EVENTS

Jan. 31 – Feb. 1, 2013
AABE Energy Policy Summit
Washington, DC

April 9 – 12, 2013
36th National Conference
“Energy: Embracing Change and Creating Opportunities”
Baltimore, MD

BLACK DATA PROCESSING ASSOCIATES



MISSION

BDPA is a global member focused technology organization that delivers programs and services for the professional well-being of its stakeholders

HISTORY

BDPA (Black Data Processing Associates) is a non-profit organization of professionals working in or having an interest in the Computer Science and Information Technology fields. BDPA has a diverse representation of information technology professionals. Included amongst the organization's members are programmers, analysts, engineers, managers, instructors, and entrepreneurs, to name a few.

Earl Pace and the late David Wimberly founded BDPA in May of 1975. BDPA was formed out of a concern shared by both men that minorities were not adequately represented in the information technology industry. The first BDPA chapter was organized in Philadelphia, PA. The second chapter was organized in 1978 in Washington, DC. Shortly thereafter, the third chapter was organized in Cleveland, Ohio. In 1979, BDPA was restructured as a national organization. Currently, there are more than forty active chapters across the United States.

BLACK DATA PROCESSING ASSOCIATES

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BLACK DATA PROCESSING ASSOCIATES



PROGRAM HIGHLIGHTS

IT Professional Development

- BDPA IT Institute, featuring professional IT certifications / Discounted courses
- National BDPA Technology Conference / Professional workshops & seminars
- Information Technology Senior Management Forum (ITSMF)
- Executive Protégé Program
- Leadership & Career Development Webinars
- National BDPA Career Center and Talent Management System
- Local Chapter Professional Development Programs

Student Programs

- Student Information Technology Education & Scholarship (SITES) training programs
- Youth Technology Camp (YTC)
- National High School Computer Competition (HSCC)
- National High School & College IT Showcase
- HSCC Alumni Program
- College Student Internship Program (SIP)

TESTIMONIALS

"Lilly has been a BDPA partner since 2004 and its generous gift will enable our organization to enhance the tone, culture, and spirit of the Indianapolis chapter, while providing local children with computer and personal skills instruction that will help them achieve their dreams of careers in STEM related fields."

"Since 2008, HCSC has made annual corporate investments in BDPA and I am delighted to welcome them back for the fifth consecutive year as a BDPA partner. Their generous contribution will assist us in developing a high-quality conference as well as the annual Youth Technology Camp which focuses on youth engagement in science, technology, engineering and math) education. With this contribution, we once again have an opportunity to thank HCSC for being a visionary corporate citizen."

Support National Computer Competition Teams



Visit www.bdpa.org



2013 CALENDAR of EVENTS

August 14 – 17, 2013
2013 Conference "Diverse Opportunities in the Age of Convergence" Washington Hilton, 1919 Connecticut Ave, Washington, DC 20009



MAES – LATINOS IN SCIENCE AND ENGINEERING



Objectives

Objective 1 - Participation: Latino engineers and scientists are key contributors to America's pursuit of global STEM leadership.

- ◆ **Objective 1a - Family:** Latino families encourage, drive, and support their children to pursue opportunities in STEM.
- ◆ **Objective 1b - Pre-College:** Latino students graduate high school with the academic skills necessary to pursue higher education in STEM.
- ◆ **Objective 1c - College:** Latino undergraduate and graduate students are technically accomplished, socially responsible, and capable leaders within their STEM fields.
- ◆ **Objective 1d - Professional:** Latino STEM professionals are globally competitive at every level of technical and managerial leadership.

Objective 2 - Advocacy: Socially responsible Latino engineers and scientists advocate for increased resources and involvement in STEM.

MISSION

To promote, cultivate, and honor excellence in education and leadership among Latino engineers and scientists.

VISION

MAES is the foremost Latino organization for the development of STEM leaders in the academic, executive, and technical communities.

HISTORY

MAES was founded in Los Angeles in 1974 by a group of professional engineers to increase the number of Mexican Americans and other Hispanics in science, technology, engineering, and mathematics (STEM) by creating opportunities and fostering recognition through its professional, technical, and outreach activities. The idea to establish a professional society for Mexican American engineers originated with Robert Von Hatten, an aerospace electronics engineer with TRW Defense Space Systems in Redondo Beach, California. Mr. Von Hatten had for several years served as a volunteer for programs directed at combating the alarming number of high school dropouts. He envisioned a national organization that would serve as a source of role models, address the needs of its members, and become a resource for industry and students. The society filed incorporation papers as a nonprofit, tax-exempt organization with the California Secretary of State in October 1974, and it received its charter on March 28, 1975. MAES' brand has evolved over time as its familia has grown to include a broader community. Originally called the "Mexican American Engineering Society," MAES changed its name to the "Society of Mexican American Engineers and Scientists" in 1989. Then, in 2012, MAES rebranded once again and is now called "MAES – Latinos in Science and Engineering."

MAES – LATINOS IN SCIENCE AND ENGINEERING

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Houston, TX 77058
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Website: www.mymaes.org

MAES – LATINOS IN SCIENCE AND ENGINEERING



TESTIMONIALS

"At the 2012 MAES Symposium it became clear that I did not just join some organization that was going to help me get a job; I joined a completely different professional world that was going to help shape my entire future. I joined something that I wanted to stay in for the rest of my life. What I joined was one massive, intelligent, and immeasurably influential Familia."

- Charles De Farias, Student at Bunker Hill Community College

"Just when I thought I'd seen all of what MAES has for me at its annual Symposium, I now know that it expands to a higher degree than imaginable, We Have No Limits!"

- Armando Contreras, Student at Texas A&M University

MAES is an inclusive organization that is providing men and women with the exposure, training, and mentorship through its MAES Pipeline, in support of United States' efforts to maintain its preeminence in STEM."

- Lt. Cmdr. Mark Venzor, Professional with America's Navy

OUR EVENTS

- Symposium—the premier national conference for Latinos in STEM to honor achievement and enable career access and advancement
- National Leadership Conference—an intense training conference designed to accelerate the development of Latinos as leaders in STEM
- Chapter Development Summits (CDS) — regional organizational leadership training sessions for MAES University Student Chapters

OUR OUTREACH

- Science Extravaganzas
- Science and Engineering Festivals
- MAES Magazine



2013 CALENDAR of EVENTS

February 13-16, 2013
National Leadership
Conference
Washington, DC

September 25-28, 2013
MAES Symposium
Houston, TX



NATIONAL ORGANIZATION FOR THE PROFESSIONAL ADVANCEMENT OF BLACK CHEMISTS & CHEMICAL ENGINEERS



Purpose

The primary purpose of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) is to initiate and support local, regional, national, and global programs that assist people of color in fully realizing their potential in academic, professional, and entrepreneurial pursuits in chemistry, chemical engineering, and related fields!

The Organization promotes careers in science and technology as an achievable goal for elementary, middle, and high school students. In addition, NOBCChE encourages college students to pursue graduate degrees in the science, technology, engineering, and mathematics (STEM) disciplines. NOBCChE makes a difference!!

MISSION

To build an eminent cadre of people of color in science and technology.

HISTORY

An Ad Hoc Committee for the Professional Advancement of Black Chemists and Chemical Engineers was organized in April 1972. The establishment of the committee was assisted financially by a grant of \$850 provided by the Haas Community Fund, and a \$400 grant administered through Drexel University. The committee then surveyed Black professionals to ascertain their interest in establishing a formal organization dedicated to the professional advancement of Black chemists and chemical engineers. Enthusiastic questionnaire responses prompted the committee to expand and reconvene in September 1972 to setup a structured organization and to devise a means of securing funds to finance its development.

In December 1973, the Organization's Executive Board met to plan the first national meeting which was held in March 1974 in New Orleans. The national meeting provided a rare opportunity for Black chemists and chemical engineers to discuss issues of significance to their careers, to present technical papers, to formulate priorities and topics for future meetings. Practical and theoretical goals began to coalesce, and a national program was developed. The Organization has held national meetings since 1974.

The official name is the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers. The official acronym is NOBCChE (pronounced No-be-shay). NOBCChE was incorporated in 1975.

NATIONAL ORGANIZATION FOR THE PROFESSIONAL ADVANCEMENT OF BLACK CHEMISTS & CHEMICAL ENGINEERS

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NATIONAL ORGANIZATION FOR THE PROFESSIONAL ADVANCEMENT OF BLACK CHEMISTS & CHEMICAL ENGINEERS



PROGRAM HIGHLIGHTS

1972 - An Ad Hoc committee is formed to explore establishing a national organization dedicated to the development of black chemists and chemical engineers

1973 – First annual meeting held in New Orleans

1975 – NOBCChE's Constitution is adopted.

1976 – Proctor & Gamble establishes the first fellowship award.

1980 – Kodak Fellowship Award is established.

1987 – Graduate Student participation significantly increases

1989 – First NOBCChE National Science Bowl held, continues to present date

1996 – A national financial management system is put in place with Merril Lynch

1998 – NOBCChE establishes a national website: NOBCChE.ORG

2010 – NOBCChE Sponsors White House National Medals Broadcast, 2nd Invitation to White House

TESTIMONIALS

"Minority STEM based organizations like NOBCChE have more than benefitted my research career. The 2012 NOBCChE Conference provided me the opportunity to network with chemistry professionals from underrepresented minority groups. I received profound advice from professionals in which my CV and interview skills will be forever influenced by this experience. The conference also helped me to pursue the prestigious NRC Postdoctoral Associateship after completing my PhD in Analytical Chemistry in May, 2013."

- Yasmine Daniels, PhD Candidate in Analytical Chemistry, CUNY

"NOBCCHE provided me the experience to present a technical poster at the national conference as an undergraduate chemistry major at Norfolk State University. This experience inspired me to pursue and earn a MS in Materials Science & Engineering from the University of Maryland. My professional career has ranged from an engineer on the Hubble Space Telescope at NASA Goddard; to current as a project manager on the Japan- Fukushima Nuclear Plant project for the U.S. Nuclear Regulatory Commission. The positive mentorship I received has shaped my career. I continue to encourage high school students to pursue STEM careers."

- Brian Harris, Engineer, US Nuclear Regulatory Commission



2013 CALENDAR of EVENTS

March 22 - 24, 2013
West Regional Meeting
Portland, OR

October 1 – 4, 2013
40th NOBCChE Annual Conference & Career Fair
Indianapolis, IN

NATIONAL ORGANIZATION OF MINORITY ARCHITECTS



MISSION

The National Organization of Minority Architects (NOMA) mission is to champion diversity within the design professions by promoting the excellence, community engagement, and professional development of its members.

HISTORY

Twelve African-American architects from different parts of the country met, some for the first time, during the AIA National Convention in Detroit in 1971. What these professionals recognized was the desperate need for an organization dedicated to the development and advancement of minority architects.

Present at the creation were **William Brown, Leroy Campbell, Wendell Campbell, John S. Chase, James C. Dodd, Kenneth B. Groggs, Nelson Harris, Jeh Johnson, E.H. McDowell, Robert J. Nash, Harold Williams, and Robert Wilson**. These African American architects wanted minority design professionals to work together to fight discriminatory policies that limit or bar minority architects from participating in design and construction programs.

That was the beginning of the National Organization of Minority Architects, an increasingly influential voice, promoting the quality and excellence of minority design professionals. There are NOMA Chapters in all parts of the country, increasing recognition on colleges and university campuses and providing greater access to government policy makers.

NATIONAL ORGANIZATION OF MINORITY ARCHITECTS

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NATIONAL ORGANIZATION OF MINORITY ARCHITECTS



PROGRAM HIGHLIGHTS

- Professional Design Awards
- Student Design Competition
- Project Pipeline Architectural Summer Camp
- Annual Community Service Legacy Project
- Annual Conference

TESTIMONIALS

"...NOMA today remains the premiere vehicle for African-American and other minority architects to really have fellowship with each other on the issues that are unique to our existence within this profession..."

- Steve Lewis, Architect

"NOMA is family...its an opportunity for me to reconnect with mentors classmates, colleagues, friends"

- Jason Pugh, Emerging Professional

"there is so much support and every year I get a wealth of information"

- Aminah Wright, Emerging Professional

"NOMA to me means community. NOMA means meeting people who can be my mentors and I in turn become a mentor. NOMA means meeting my heroes."

- Wesley Henderson, Educator

"It is an organization where like-minded individuals can come together to facilitate a change in our industry...to bring about more diversity which I believe is beneficial to the communities here in America especially with the economic situations that we have now"

- Karen Anderson, Architect

"Its been really valuable to me in terms of just the best mentorship anyone could really have asked for. I've had the best mentors, the greatest supporters, it really is like another family...most of my internships and full-time employment opportunities have come directly through NOMA..."

- Kim Dowdell, Emerging Professional



2013 CALENDAR of EVENTS

October 2, 2013
Annual Community Service
Legacy Project Day
Indianapolis, IN

October 3-5, 2013
41st Annual Conference
Indianapolis, IN
Portland, OR



NATIONAL SOCIETY OF BLACK ENGINEERS – PROFESSIONALS



Goals & Objectives

- ◆ Develop and enhance NSBE Programs, writ large
- ◆ Increase technical awareness
- ◆ Encourage scholastic achievement
- ◆ Stimulate enthusiasm in the Black engineering community in order to promote technical expertise, professionalism, and fellowship among Black engineers.
- ◆ Promote public awareness of engineering and the opportunities for Blacks and other minorities in that profession
- ◆ Function as a representative body on issues and developments that affect the careers of Black Engineers

MISSION

To increase the number of culturally responsible Black Engineers who excel academically, succeed professionally and positively impact the community.

HISTORY

The National Society of Black Engineers was founded in 1975 and in 1976 was incorporated as a non-profit organization in the state of Texas. NSBE is recognized as a tax-exempt organization under section 501(c) (3) of the Internal Revenue Code. NSBE offers programming that broadens experience, while rewarding outstanding achievement. In March 1988, at the 14th Annual National NSBE Convention, the NSBE membership approved the proposal to include the Alumni Extension as an operating entity of the National Society of Black Engineers. This extension, now known as NSBE Professionals, focuses on programs designed to promote technical excellence, professional advancement, leadership development, and the academic success of future engineers and scientists of color.

PROGRAM HIGHLIGHTS

To support the advancement of its members, technical business development, professional development units, license and certification exam review courses, engineering technical activity, youth outreach, and community outreach are among the wide array of resources available to NSBE Professionals through various programs. By participating in any number of NSBE programs each NSBE professional is ensured an opportunity to reach extraordinary heights in their technical, professional and community endeavors.

NATIONAL SOCIETY OF BLACK ENGINEERS

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NATIONAL SOCIETY OF BLACK ENGINEERS – PROFESSIONALS



PROGRAM HIGHLIGHTS

- Of the more than 33,000 collegiate, professional and pre-college NSBE members worldwide, over 5,500 national and international members and over 60 local chapters throughout the world are NSBE Professionals.
- NSBE Professionals successfully implements a variety of programs in each of NSBE's core areas: Academic Excellence; Technical Excellence; Leadership Development; Community Impact; Pre-College Initiative, and Chapter Development.
- Over 3000 Professional members are involved in the NSBE affinity groups – or Special Interest Groups (SIGs) – Public Policy, Space, Process Improvement, Information technology, Women in Science and Engineering, Energy, and Environmental.



Developmental Programs include:

- Technical Excellence
- Professional Development
- Entrepreneurship

2013 CALENDAR of EVENTS

Outreach Programs include:

- Pre-College Initiative
- College Initiative
- Community Impact

February 22, 2013
Public Policy Symposium on
STEM Education, jointly
sponsored by NSBE and
AAAS – Washington, DC

Other programming includes:

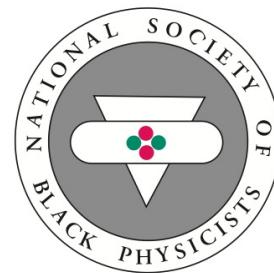
- National Alumni Conferences & Summits
- Industry-Specific SIG Conferences and Symposia
- Institute for Chapter Development
- Alumni Awards

March 12-13, 2013
Congressional visits Day
2013; NSBE Exhibit and Con-
gressional visits – Washing-
ton, DC

March 27 – 31, 2013
NSBE's 39th Annual Conven-
tion; Indianapolis, Indiana



NATIONAL SOCIETY OF BLACK PHYSICISTS



MISSION

Goals & Objectives

- ◆ The purpose of this society is to promote the professional well-being of black physicists within the scientific community and within society at large.
- ◆ The Society seeks to develop and support efforts to increase opportunities for blacks in physics and to increase the number of creative black physicists.
- ◆ The Society seeks to develop activities and programs that enhance the benefits and contributions that black physicists share with the world community and with each other.
- ◆ The Society seeks to provide a non-partisan platform for major issues of scientific and cultural significance to its membership.

Founded in 1977 at Morgan State University, the mission of the National Society of Black Physicists (NSBP) is to promote the professional well-being of African American physicists and physics students within the international scientific community and within society at large.

HISTORY

After years of gatherings of the few African American physicists of the time, the Society of Black Physicists was inaugurated on Thursday, April 28, 1977 at Morgan State University with Drs. Walter Massey and James Davenport serving respectively as interim president and secretary-treasurer. In 1978 at Morehouse College the Society formally elected its first officers, and later the society was renamed the National Society of Black Physicists.

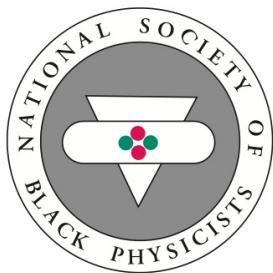
Not long after the 1978 meeting, a Constitution and Bylaws were written which called for the election to two-year terms of the following officers: President, President-Elect/Past-President, Treasurer, Administrative Executive Officer, and Technical Executive Officer. Many outstanding physicists have served as President through the years, including Drs. Shirley Jackson, Milton Slaughter, Ernest Coleman, Joseph Johnson, Kennedy Reed, Sekazi Mttingwa, Sylvester James Gates, James Stith, Charles McGruder, Keith Jackson, Quinton Williams, Peter Delfyett and Paul Gueye.

Today, NSBP is the largest and most recognizable organization devoted to the African American physics community.

NATIONAL SOCIETY OF BLACK PHYSICISTS

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NATIONAL SOCIETY OF BLACK PHYSICISTS



PROGRAM HIGHLIGHTS

- NSBP has for years operated its **Science Ambassadors** program, where individual members do outreach to local primary and secondary schools. In 2009 at its annual conference in Nashville, NSBP added a general community component to its student outreach by having a Physics Day Camp. This idea has been extended to other locales including Washington, DC and Hampton, VA. The organization is an active supporter of the Ballston Science Café in Arlington, VA. The organization has been an exhibitor in the USA Science and Engineering Festival, and is helping plan a major event-wide exhibition for the 2014 festival.
- NSBP has several **scholarships** named for deceased African American physicists, including the Willie Hobbs Moore Scholarship, named after the first African American woman to receive a Ph.D. in physics, and the Ronald E. McNair and Michael P. Anderson scholarships, named after the two astronauts and NSBP members who perished in the two NASA space shuttle accidents.
- For college students, and indeed for the entire physics community, the biggest NSBP program has long been its annual conference. The **annual NSBP conference**, held jointly with the National Society of Hispanic Physicists, is the world's largest gathering of African American and Hispanic America physicists and astronomers, and thus is the premier diversity event in the entire global physics enterprise. The conference program always contains a unique blend of presentations of the latest research results, student tacit knowledge development, academic enrichment, and professional network building. Federal science agencies, including NSF, DOE, NASA and NOAA have often held town meetings at our conference. Also as part of our conference, NSBP has supported qualitative and quantitative educational research on the academic and social development of African American physics majors. This work as resulted in one of the most complete databases on the factors that make students attrite or persist in STEM fields and has richly added to the published research on STEM students.
- NSBP publishes the very successful e-newsletter, **Waves and Packets**, which has a global distribution of 40K. Through a partnership with Elsevier Publishing, we will be launching in 2013 three new scholarly journals to highlight the published research of our members and that of our colleagues in Africa active in social media, having a successful blog and Twitter handle. According to wefollow.com, our Twitter feed is one of the most influential ones on the topics of physics, astronomy, astrophysics, and cosmology.



2013 CALENDAR of EVENTS

November 8-12, 2013
Exhibit, Quadrennial Physics
Congress,
Orlando, FL



NATIONAL TECHNICAL ASSOCIATION, INC.

The Minority Technical Voice



Goals & Objectives

- ◆ Encourage diversity in science and technology
- ◆ Increase the participation of minority youth in modern science and technology
- ◆ Seek to encourage youth who have dropped out of school to seek allied fields to technology

MISSION

Our mission is to diversify the practitioners of science by providing programs to encourage under-represented minority students in middle school, high school, and college, to pursue careers in science, technology, engineering, and math. In addition, we mentor and nurture young technical professionals to help them develop the skill to innovate solutions for today's technical problems.

HISTORY

NTA was founded in 1925 and incorporated in 1926. NTA has a remarkable history of achievement. Our founding members were inventors, and in various technical disciplines. The first NTA President, Charles S. Duke, was the first African American to receive a degree in engineering from Harvard University, in 1904. Today's membership consists of heads of governmental agencies, corporate leaders, heads of university science and engineering departments, professors, and secondary school science teachers. Many joined NTA early in their careers. Professional and student chapter implement the NTA science and technology programs.

NTA architectural, engineering and scientific membership volunteer their services nationally to assist public institutions in identifying potential minority technical talent. Public Institutions where the service is encouraged include k-12 schools, colleges/universities and in the recent past, penal institutions. NTA has spent the ensuing years gaining national attention through its programs of encouragement to students and professionals alike. We have also established technical links throughout the African Diaspora.

NATIONAL TECHNICAL ASSOCIATION, INC.

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Website: www.ntaonline.org

NATIONAL TECHNICAL ASSOCIATION, INC.

The Minority Technical Voice



TESTIMONIALS

"Since its inception in 1925, the NTA has been at the forefront of giving voice to minority professionals struggling to diversify the technical workforce... By providing a pipeline for young people from communities of color to enter the technical workforce, we help ensure that our youth have an opportunity... I am honored to support an organization with such an important mission."

- **Congresswoman Eddie Bernice Johnson**

"I have always admired the National Technical Association's commitment to inspiring, educating, and ensuring that the future of young minorities is a bright one."

- **Congresswoman Barbara Lee**

"In my earlier days with NASA, I attempted to be quite active with NTA...NTA leadership along with its members have had a remarkable history of achievement in the areas of education, research, engineering, science and technology. NTA is and always has been about rising above the impossible; taking on new challenges, helping others along the way as mentors and role models, and making a difference in the world."

- **Charles Bolden, NASA Administrator**

"Thank you for the opportunity you and the NTA staff extended for me and the other students to attend the conference. I am honored to have been surrounded by such affluent black professionals,... and never knew how much of an impact 'WE' have in the field of science...The sessions I was able to attend were both educational as well as enjoyable. They were a large influence in edifying my career paths They made me think about different paths to achieve my career goal."

- **Delvin Williams, Albany State University**

"I had the absolute best time at the conference and I learned so many new and innovative things. In addition, I was able to see the legacy and history of African Americans that I hear and read about. This trip was the many of firsts for me and I can't stop thanking God for those blessings... You and NTA family have left an impressionable mark on my heart and I can't thank you all enough ...Thank you so much again...the scholarship was an on-time blessing!"

- **Sharline Law, Texas Southern University**



2013 CALENDAR of EVENTS

April 15, 2013
Pittsburgh Chapter Science Fair

June 7, 2013
Baltimore Chapter Annual Banquet

June 7, 2013
Cleveland Chapter Nsoroma

September 18-20
85th Annual NTA Conference
Cincinnati, Ohio



SOCIETY FOR ADVANCEMENT OF HISPANICS/ CHICANOS AND NATIVE AMERICANS IN SCIENCE



MISSION

SACNAS is a society of scientists dedicated to fostering the success of Hispanic/Chicano and Native American scientists—from college students to professionals—to attain advanced degrees, careers, and positions of leadership in science.

HISTORY

SACNAS was founded by a group of minority scientists in 1973 and was incorporated as a nonprofit corporation in 1986 under the name **Society for Advancement of Chicanos and Native Americans in Science, Inc.** In 1987 SACNAS obtained tax-exempt status under section 501 c 3 of the Internal Revenue Code.

VALUES

- Inclusive of ethnicities, cultures, and scientific disciplines
- Focused on having a real impact through our purpose and mission
- Committed to standards of excellence in science and education
- Fully mindful of the importance of students' K-12 experience
- Devoted to full engagement of our members in our work

SOCIETY FOR ADVANCEMENT OF HISPANICS/CHICANOS AND NATIVE AMERICANS IN SCIENCE

P.O Box 8526 | Santa Cruz, CA | 95061-8526

Phone: (831) 459-0170

Website: www.sacnas.org

SOCIETY FOR ADVANCEMENT OF HISPANICS/ CHICANOS AND NATIVE AMERICANS IN SCIENCE



TESTIMONIALS

"This was my first time at the SACNAS conference, and my eyes have been opened to a whole 'new' world! I will obtain my mathematics bachelor's in May 2011 and not once had I given any thought to furthering my education—especially since I paid these past two years out of pocket, and struggled through working 40 hours and going to school two to four classes at a time. After this conference, I have a totally new perspective and have decided to further my education. Thank you to the wonderful men and women that participated in every area, especially from a mentor point of view. You have changed my world from 'flat' to 'round'!"

- Dayanara Aimée Garza (undergraduate student)

"Attending the SACNAS national conferences was crucial for me to get through graduate school. Every conference I attended gave me the strength and inspiration to go back to the lab reenergized and motivated. SACNAS also gave me the opportunity to present my graduate work in a nurturing and supportive environment. I am very thankful to SACNAS for giving me the opportunity to renew old friendships and for providing the right setting for networking, which has been key for me in choosing a career path."

- Erika L. Bustamante, PhD (Postdoctoral Fellow)

"SACNAS is incredibly effective at broadening the participation of minorities in science. As a Chicano scientist and son of one of the SACNAS' founders, I'm especially proud to be a life member of such wonderful organization in pursuit of one of the most important changes to the way we do science. Participating in SACNAS is extraordinarily fulfilling both personally and professionally."

- Neo Martinez, PhD (professional)



2013 CALENDAR of EVENTS

April 15-16, 2013
SACNAS Board of Directors
meeting,
San Antonio, Texas

October 3-6, 2013
2013 SACNAS National Conference and Special 40th Anniversary Celebration:
"Strengthening the Nation through Diversity, Innovation & Leadership in STEM",
Henry B. Gonzalez Convention Center, San Antonio,
Texas



Professional/Student Pillars

- ◆ Professional Development
- ◆ Leadership Development
- ◆ Community Service and Outreach
- ◆ Chapter Development
- ◆ Academic Achievement
- ◆ Continuous Education

SOCIETY OF HISPANIC PROFESSIONAL ENGINEERS

CHANGING LIVES... EMPOWERING COMMUNITIES... IMPACTING THE WORLD...



MISSION

SHPE changes lives by empowering the Hispanic community to realize their fullest potential and impacts the world through STEM awareness, access, support and development.

VISION

SHPE's vision is a world where Hispanics are highly valued and influential as the leading innovators, scientists, mathematicians and engineers.

HISTORY

The Society of Hispanic Professional Engineers (SHPE) was founded in Los Angeles, California, in 1974 by a group of engineers employed by the city of Los Angeles. Their objective was to form a national organization of professional engineers to serve as role models in the Hispanic community.

The concept of Networking was the key basis for the organization. SHPE quickly established two student chapters to begin the network that would grow to encompass the nation as well as reach countries outside the United States. Today, SHPE enjoys a strong but independent network of professional and student chapters throughout the nation.

SOCIETY OF HISPANIC PROFESSIONAL ENGINEERS

13181 Crossroads Parkway North, Suite 450
City of Industry, CA 91746-3997
Telephone: (323) 725 3970
Website: www.shpe.org

SOCIETY OF HISPANIC PROFESSIONAL ENGINEERS

CHANGING LIVES... EMPOWERING COMMUNITIES... IMPACTING THE WORLD...



CORE PROGRAMS

- **SHPE Jr:** Student groups/clubs focused on increasing the High School graduation rate and STEM matriculation rate of Latino students through mentoring and coaching by professional and university students.
- **Noche de Ciencias:** Nationwide initiative organized by SHPE University and Professional members that increases awareness of opportunities in STEM to parents, teachers and students through hands on activities and workshops.
- **Scholarship Matching:** Grant matching chapter scholarship program focused on increasing the financial access for potential STEM majors
- **Mentorship Program:** Pre-college, Undergrad, Graduate and Professional Program focused on increasing perseverance of potential and current STEM students, and increasing career success of working STEM professionals; and many more.



TESTIMONIALS

The leadership skills, professional development, and networks I gained through SHPE have proven invaluable in achieving my career goals. Now as a P&G employee, I am fortunate enough to continue my involvement with SHPE.

- **Alejandro Guana, Procter & Gamble, SHPE Professional Member since 2006**

I would not be a PhD candidate today, had it not been for programs like the GRE/Grad Lab and the various workshops and activities offered annually by SHPE.

- **Cindy V. Leiton, Stony Brook University, SHPE Graduate Member since 2003**

The SHPE organization and conference continue to be instrumental in my professional and personal growth. It gives attendees access to a network which can't be matched elsewhere, where people interact with the intent to grow and learn from each other.

- **Danny Cardenas, New York City Professional Chapter, SHPE Professional Member since 1996**

SHPE has given me the insight that I need to prepare for my career as an engineer. I know that no matter at what stage of my life I am, SHPE will allow me to become a stronger and more valuable professional engineer.

- **Omar De Leon, Carnegie Mellon University, SHPE Student Member since 2006**

2013 CALENDAR of EVENTS

July 31, 2013
NILA Conference
Denver, CO

Oct 30-Nov 3, 2013
SHPE National Conference
2013
Indianapolis, IN

Nov 5-9, 2014
SHPE National Conference
2014
Detroit, MI

2013 COMBINED CALENDAR OF CHANGES ORGANIZATIONS

Dates	Conference/Meeting	Location
January 31—February 1	AABE Energy Policy Summit	Washington, DC
February 13—16	MAES National Leadership Conference	Washington, DC
February 22	NSBE Public Policy Symposium on STEM Education	Washington, DC
March 7—10	SHPE Region 4 Leadership Development Conference	Boston, MA
Match 7—10	SHPE Region 6 Leadership Development Conference	Dayton, OH
March 12—13	NSBE Congressional Visits Day	Washington, DC
March 22—24	NOBCChE West Regional Meeting, University of Oregon	Portland, OR
March 27—31	NSBE 39 th Annual Convention	Indianapolis, IN
March 28—31	SHPE Region 3 Leadership Development Conference	Las Cruces, NM
April 4—7	SHPE Region 2 Leadership Development Conference	Tempe, AZ
April 9—12	AABE 36 th National Conference "Energy: Embracing Change and Creating Opportunities"	Baltimore, MD
April 15	NTA - Pittsburgh Chapter Science Fair	Pittsburgh, PA
April 15—16	SACNAS Board of Directors meeting	San Antonio, TX
April 18—21	SHPE Region 5 Leadership Development Conference	San Antonio, TX
June 7	NTA Baltimore Chapter Annual Banquet	Baltimore, MD
June 7	NTA Cleveland Chapter Nsoroma	Cleveland, OH
August 14—17	BDPA Conference "Diverse Opportunities in the Age of Convergence"	Washington, DC
September 18—20	85th Annual NTA Conference	Cincinnati, OH
September 25—28	MAES 2013 Annual Symposium	Houston, TX
October 1—4	NOBCChE 40 th Annual Conference- "Research, Knowledge & Wisdom"	Indianapolis, IN
October 2	NOMA Annual Community Service Legacy Project Day	Indianapolis, IN
October 3—5	NOMA 41 st Annual Conference	Indianapolis, IN
October 3—6	SACNAS 2013 National Conference and Special 40 th Anniversary Celebration	San Antonio, TX
October 30—November 3	SHPE 2013 National Conference	Indianapolis, IN

CHANGES POINTS OF CONTACT

Organization	Name	Organization Title	Email
AABE	Paula R. Jackson	Interim President & CEO	pjackson@aabe.org
BDPA	Monique Berry	President	info@bdpa.org
MAES	Michael Acosta	Immediate Past National President	mike@mymaes.org
NOBCChE	Victor McCrary	Immediate Past National President	victor.mccrary@morgan.edu
NOMA	Kathy Dixon	President	president@noma.net
NSBE	Njema Frazier	Director, Public Policy SIG	policydirector@nsbe.org
NSBP	Keith Jackson	Past President	headquarters@nsbp.org
NTA	Hattie Carwell	Past President	hattie.carwell@att.net
SACNAS	Ernie Marquez	Immediate Past National President	aerimarquez@verizon.net
SHPE	Pilar Montoya	Chief Executive Officer	pilarM@shpe.org

Our Nation derives strength from the diversity of its population and from its commitment to equal opportunity for all. We are at our best when we draw on the talents of all parts of our society, and our greatest accomplishments are achieved when diverse perspectives are brought to bear to overcome our greatest challenges.

— President Barack Obama,
Executive Order 13583, Establishing a Coordinated Government-wide Initiative to Promote Diversity and Inclusion in the Federal Workforce, August 2011



No single person can train all the math and science teachers we'll need to equip our children for the future, or build the roads and networks and research labs that will bring new jobs and businesses to our shores. Now, more than ever, we must do these things together, as one nation and one people.

— President Barack Obama
Inaugural Address, January 2013



"One of the things that I've been focused on as President is how we create an all-hands-on-deck approach to science, technology, engineering, and math... We need to make this a priority to train an army of new teachers in these subject areas, and to make sure that all of us as a country are lifting up these subjects for the respect that they deserve."

— President Barack Obama
Third Annual White House Science Fair, April 2013



Broadening Science Technology Engineering Mathematics (STEM) Together