

NATIONAL TECHNICAL NEWS

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SPRING



Hattie Carwell

President's Message

I am energized by the amazing legacy of the eighty plus year history of NTA and the knowledge of the work that lies ahead. I **commit** to utilize the foundation established by the founders to help build a secure future for NTA. I commit to continue the diligent efforts to thrust the organization into the forefront to improve the technical status of African Americans and other underrepresented minorities.

I am going to call upon each of you, the membership, and friends of NTA to rally to the call to help accomplish our mission. I solicit your support to realize the vision of a "Can Do Organization"!

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**MEMBERSHIP
NEWSLETTER**
A Publication of The
National Technical
Association
Incorporated 1926

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NTA 2009 Conference Held at Ohio Aerospace Institute

The NTA 2009 Conference was held in Cleveland, Ohio September 16-18. Its location was not in the city, but in a more easterly suburban location, which placed it near the NASA Glenn and Ohio Aerospace Institute facilities. The Ohio Spacegrant Consortium is an educational facility co-sponsored by OAI and NASA.

Former NTA national president, Dr. Julian Earls, is located there, and paid us a visit!

NTA 2010 Conference is planned for Washington, DC (see page 5).

Tips for Successful NTA Chapters

- Conduct Regular Meetings
- Recruit new members
- Encourage Members to Join National
- Send Information on Activities to National
- Submit Timely Quarterly Reports
- Keep Regional Director Informed about Chapter

NTA Member Receives Congressional Recognition



Dr. Bilal Bomiani is President of the Cleveland NTA Chapter. He is the recipient of the 2009 NASA Glenn Research Center Exceptional Technology Achievement Medal for demonstrated exceptional leadership in developing optical imaging systems for NASA with recognized benefits for the agency mission and commercial applications.



Dr. Woodrow Whitlow, Director, NASA Glenn Research Center, Wins Award



Dr. Woodrow Whitlow manages an annual budget of approximately \$500 million, and he oversees a workforce of approximately 1,680 civil service employees that is supported by approximately 1,580 contractors.

Whitlow has been a longtime supporter of the Cleveland NTA Chapter and NTA national activities. The National Technical Association conferred upon him the membership status of Life Fellow at the 2009 Annual NTA Conference.

He also regularly speaks to people from various other organizations, such as the American Indian Society and elementary schools in Puerto Rico, about the importance and the lack of diversity in his field.

PRESIDENTIAL RANK AWARD

Dr. Woodrow Whitlow Jr. received the 2009 Distinguished Executive Presidential Rank Award for sustained accomplishment in management of programs of the United States government, and for noteworthy achievement of quality and efficiency in public service. He is the Director of the John H. Glenn Research Center in Cleveland.

Growing up in a small town near Detroit, Dr. Whitlow always had a natural affinity for math and science and could often be seen searching the sky for the moon, stars and airplanes at a young age.

From September 2003 through December 2005, Dr. Whitlow served as the Deputy Director of the NASA John F. Kennedy Space Center. There his duties included assisting the director in determining and implementing center policy and in managing and implementing the center's missions and agency program responsibilities in the areas of processing, launch, and recovery of launch vehicles; processing of spacecraft; and acquisition of launch services. Prior to this appointment as Deputy Director, he served as the Director of Research and Technology at the Glenn Research Center.

Dr. Whitlow began his professional career in 1979 as a research scientist at the NASA Langley Research Center, Hampton, Virginia. He assumed various positions of increasing responsibility before moving to the Glenn Research Center in 1998. In 1994, he served as Director of the Critical Technologies Division, Office of Aeronautics, at NASA Headquarters.

Dr. Whitlow earned his Bachelor of Science, Master of Science, and Doctor of Philosophy degrees in Aeronautics and Astronautics from the Massachusetts Institute of Technology. He has written nearly 40 technical papers, most in the areas of unsteady transonic flow and aeroelasticity. Dr. Whitlow has received numerous awards, including U. S. Black Engineer of the Year in Government, NASA Exceptional Service Honor Medal, NASA Equal Opportunity Honor Medal, and the (British) Institution of Mechanical Engineers Aeronautics and Astronautics named him an associate fellow in 1993.

THE NATIONAL TECHNICAL ASSOCIATION

1200 G Street Suite 800, Washington, DC 20005

November 24, 2009



Dear President Obama,

The National Technical Association (NTA) whole heartedly supports the Educate to Innovate Campaign Initiative. NTA, the Nation's oldest minority technical organization, has been the minority technical voice since 1925. It has chapters and members throughout the United States. Membership consists of a broad technical base of scientists, engineers and educators. Our headquarters is located in Washington, DC.

Our mission is to diversify the practitioners of science by providing programs to encourage underrepresented 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. Many of today's minority technical executives and researchers have benefitted from the NTA services.

NTA has a remarkable history of achievement. Our founding members were inventors, in 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.

Recently, NTA formed a network with other minority technical organizations and the only African American science museum in the U.S. to increase its impact. We are also closely linked to minority institutions of higher education. As a 501 (c) (3) nonprofit technical organization, we provide the minority technical voice and request to become a part of your team of corporate executives recruited to champion the cause of science and math. As an integral part of the problem solving equation, we will add a missing variable and complete the equation. Our network and collective years of experience will provide special insight to the existing barriers and solutions that are critical for the expansion of minority technical development.

One of our founding members and first NTA President, Charles S. Duke, was the first African American to receive a degree in engineering from Harvard University.

From the first decade until today, NTA leadership, along with its members, have had a remarkable history of achievement in the areas of education, research, engineering, science, and technology, as well as the formation of an organization for minorities in engineering and technology.

Eagerly, NTA heeds the call, all hands on deck. For further discussions on this matter, your staff can reach me at 510 735-5057, or at: hattie.carwell@att.net

Respectfully Submitted,

Hattie Carwell

Hattie Carwell
NTA President



The National Technical Association

2010 NTA Annual National Conference

September 8-10, 2010

Howard University—Blackburn Center
Washington, DC

Theme:

Diversifying the Workforce to Motivate 2020 Technical Solutions
Call for Abstracts – Technical Symposium Presentations

NTA invites you to participate, through submission of abstracts for presentation to be delivered at this Conference.

All abstract submissions must indicate the category to which their abstract is most relevant (and second choice, if appropriate). The categories are: **Architecture, Computer Science, Education, Engineering, Information Science, Mathematics, Science, and Technology**. Be sure to indicate any special media requirements at the time of abstract submission. **Student presenters** must indicate whether they are (at the time of the Conference) **undergraduate** or **graduate** students. Presentations should be prepared as PC-compatible MSWord or PowerPoint files, and on floppy disk, compact disk (CD), or USB flash drive (as appropriate). Presentation time allowed is **15 minutes**.

George R. Carruthers, Editor george.carruthers@nrl.navy.mil

Code 7645, Naval Research Laboratory, Washington DC 20375-5320

The deadline for abstract submission for consideration of acceptance and inclusion in the Conference Proceedings is **July 1, 2010**. Send the abstract to the editor's address above (Electronic Submission, MSWord or PowerPoint Preferred). No abstracts for Conference presentation will be accepted after **August 1, 2010**.

NTA 2009 Conference Held at Ohio Aerospace Institute



Cincinnati Robotics Team prepare to conduct demonstration



Conferees tour Dr. Bilal Bomani's biomass research Laboratory



Conference Presentations

EPA Administrator Gets Warm Greeting



EPA Administrator, Lisa Jackson (lt) and Oakland Port Commissioner and Environmental Justice activist, Margaret Gordon (rt), exemplify President Obama's Change .

Lisa Jackson and Margaret Gordon are both advocates for change. Ms. Jackson announced in December before the Copenhagen Summit an "endangerment" finding on carbon and other greenhouse gasses, which allows the Obama administration to impose restrictions on carbon emissions even if "cap and trade" cannot get passed through

Congress. This is the pressure needed to obtain significant reductions in carbon emissions. The "real change to carbon emissions". Margaret Gordon has earned statewide respect on Port of Oakland issues as a community activist. She is 2nd Vice President of the Port of Oakland. She invited EPA Administrator Jackson to visit the WOEIP partners. Jackson was in the Bay Area to serve as headliner for the State of San Francisco Estuary Conference 2009 and to deliver their keynote address at a California Commonwealth Club. Jackson laid out her vision to clean America's air, water and land.

The 2010 National Conference Planning Committee will invite Ms. Jackson to be a keynote speaker.

Coming Events



Cincinnati NTA Chapter
Plans

Robotics Competition

February 13, 2010



BLACK ENGINEER
OF THE YEAR AWARDS
STEM GLOBAL COMPETITIVENESS
CONFERENCE

FEBRUARY 18-20, 2010
BALTIMORE, MD

67th Annual NIS/ BKX Meeting

Hosted at New Orleans
(SUNO)
March 24 - 28, 2010
New Orleans, LA

This year's theme is:
'The Emergence of OMIC
Technologies in
Addressing Health
Disparities'

National Society of Black Engineers

"Engineering
Global Impact"

March 31st-April 4th, 2010

Toronto, Canada



National BDPA Technology Conference



Philadelphia PA
July 28-31, 2010

A Forum for IT Professionals



STUDENTS HEAR OUTER SPACE Mission Experimental SPACE Mission Experimental Results

*Astronauts Aboard Space Shuttle Atlantis carry photograph of students for
Experiment to Focus on K-12 Education*



Astronaut Melvin Leland



Astronaut Robert Satchler

On January 25, 2010, Astronauts Melvin Leland and Robert Satchler will share with students from Grape Street Elementary School in Los Angeles, CA, the findings of their experiments from the 31st voyage to the international space station. During the visit, the school will receive a certified letter of authenticity from NASA that their school photograph was aboard the shuttle and part of the mission. NTA President, Hattie Carwell will be on hand for the visit. Courtesy of the National Technical Association (via Past NTA President, Willie B. Williams), Grape was invited to be part of the mission that included three spacewalks and delivered parts to the space station.

Students from Grape posed for a historic postcard size photo that literally traveled the world. It traveled in outer space with the crew from Space Shuttle Atlantis, STS 129, on November 16, and returned to earth November 27. With this photo, students from Grape showed their support of the shuttle's mission to work on experiments on micro organisms in space and how micros change in space environment. NASA Astronaut Leland Melvin, a member of the NTA, carried the photo with him during the launch from the Kennedy Space Center in Florida. Melvin's goals include encouraging students to participate in studying science and mathematics.

"This is an extremely exciting and grand opportunity to expose my students to careers and other opportunities out of their community," said Ms. Turner, principal of Grape Elementary School. "This project increased their interest in science and math that students started an after school math club."

(NTA President's Message, Continued)

NTA is on the move. The work has already begun. On September 24, 2009, NTA planned and led the 2009 Science and Technology Round Table of the Ronald H. Brown Series. The series is organized annually by the Constituency of Africa and the Congressional Black Caucus Foundation during the Congressional Black Caucus Legislative Week. The President of the Baltimore Chapter of NTA was one of the participants.

NTA brought together 6 African American technical organizations along with an equal number of African constituent organizations to begin a dialogue on how to strategically collaborate on issues/projects on the African Continent and in the U.S. A follow-up session will be held before the end of the year.

I plan to visit with the members of each chapter and discuss ways National can provide better service and grow new chapters. The Board voted to reactivate the Minnesota and St. Paul Chapter at December meeting.

In order to fulfill NTA's mission, we will re-institute a number of programmatic and administrative activities that have been dormant for sometime. Delegates at the NTA Conference expressed the need for more frequent newsletters and the desire to revive the Journal. So, we will be working to make this happen. Some of you have not received some the back issues of the newsletter. Go to the website www.ntaonline.org where they are archived. A priority goal is to improve communications.

We need to update the list serv to ensure that all member contact information is current. You can update your information via the website. These are some of the priority goals to improve communications.

The NTA list serv has been updated by the new Manager, Donald Hinson. We want to ensure that all member contact information is correct. If you are not getting messages, please go to the NTA website to add your contact information. These are some of the priority goals to improve communications.

The Washington, DC and Baltimore Chapters' bid for the next NTA Conference was approved by the Board of Directors in December. These are exciting times. We want to make the NTA presence in Washington known, and ensure that it is considered as the "can do" organization of choice. We want to position NTA to take advantage of the many funding opportunities to support chapter STEM programs.

Working with the extraordinary talents within NTA, there is nothing we cannot accomplish. I look forward to the opportunity to serve and work with you.

Kallie Carwell

NTA President

NTA 2010 Conference Theme:

"Diversifying the Labor Force to Innovate 2020 Technical Solutions"

The NTA 2010 Conference is planned to be held at Howard University in Washington, DC September 8-10 (see page 5).





National Technical Association New MEMBERSHIP APPLICATION, RENEWAL or Update Only (Select One)

Personal Data

Name Title (Mr Ms., Miss, Dr.) First _____ M.I. ____ Last _____

Address _____

City or Town _____ State _____ Zip Code _____

Telephone (s) _____ Fax Number _____ E-Mail Address _____

Education (Circle Highest degree: obtained) AA Degree B.A. or B.S. Degree M.A. or M.S. Ph.D. , MD

College/Univ. _____

Primary Occupation _____

(Occupational Goal if Student, Former Occupation if Retired)

Employer _____ Location _____

Self-Employed _____ Location _____

Retired __ Year _____

College/University Attending (if Student) _____

Current Status (Freshman, Sophomore, etc.) _____ Major Field of Study _____

Local NTA Chapter (if applicable) _____

Scientific/Technical Interests _____

(in addition to that specified above)

Membership Data

Membership Classification (Circle appropriate classification) Go to www.ntaonline.org for membership definitions

New Life Fellow (\$1350) Professional (\$100) Associate (\$60) Trailblazer (\$45) Full- Time Student \$25

Existing Life member (no payment required)

Payment Data

Payment Method (Circle the appropriate method) _____ Check/M.O.

*Amer. Exp. *MasterCard *Visa Credit Card # _____ Expiration Date ____/____ Amount of Payment

\$ _____ (Tax Deductible) Signature _____ Date _____

*Options: Go online and pay through paypal – www.ntaonline.org (secure electronic instant payment) or mail payment/mail credit card information to NTA, Post Office Box 590387, Houston, Texas 77259. (Keep a copy for your records)

Options to receive information (Circle appropriate one (s))

E-mail (NTA information only) List serv e-mails (information from NTA and various sources) Via Post (NTA only)