

Professional Development Institute Update

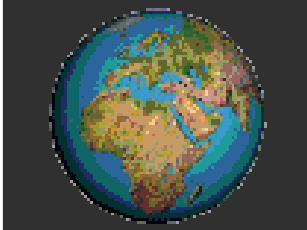
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Professional Development Institute Update

Earth: A Good Planet is Hard to Find

Koury Convention Center
Greensboro, NC
November 14-16, 2007



The theme for the 2007 Professional Development Institute is "*Earth: A Good Planet is Hard to Find*". Join us November 14-16 in Greensboro to learn about science resources across North Carolina, with a focus on forensic science.

- [Speakers & Presentations](#)
- [Registration](#)
- [Housing](#)
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More details can also be found at the [Professional Development Institute web page](#). This page is updated regularly as more information becomes available. If you have questions please feel free to contact the [Institute Coordinators](#).

Speakers and Presentations

**William Surlis "Bill" McArthur, Jr., (Colonel, USA, Ret.)
Manager, Safety & Mission Assurance, Johnson Space
Center**

Bill was born on July 26, 1951, in Laurinburg, North Carolina. He graduated from Red Springs High School in 1969; received a Bachelor of Science degree in applied science and engineering from the United States Military Academy, West Point, New York, in 1973, and a Master of Science degree in aerospace engineering from the Georgia Institute of Technology in 1983.

Bill McArthur has been the recipient of many military and NASA awards for his distinguished service and accomplishments including the Distinguished Service Medal, the Defense Superior Service Medal, the NASA Distinguished Service Medal, and the NASA Exceptional Service Medal. In addition he is the recipient of the Order of the Long Leaf Pine, North Carolina's highest civilian award. As a Master Army Aviator, Bill has logged over 9000 flight hours in 41 different air/spacecraft.



McArthur was selected by NASA 1990 and became an astronaut in July, 1991. A veteran of four space flights, McArthur has logged 224 days, 22 hours, 28 minutes and 10 seconds in space, including 24 hours and 21 minutes of EVA time in four space walks. He served on STS-58 *Columbia* (1993), docked with the Russian Space Station *Mir* on STS-74 *Atlantis* (1995) and served on STS-92 *Discovery* (2000). On Expedition 12 (2006), McArthur was the Commander and ISS Science Officer on a Soyuz TMA spacecraft and docked with the International Space Station. He conducted many missions during the six-month tour of duty aboard the space station.



Stephen A. Cook is director of the Exploration Launch Projects Office at NASA's Marshall Space Flight Center in Huntsville, Ala. He is responsible for management and direction of NASA's Ares I crew launch vehicle, which will transport the Orion crew exploration vehicle into space and deliver uncrewed cargo payloads to space – key to the Vision for Space Exploration. His office also is responsible for development of NASA's future Ares V cargo launch vehicle and Earth Departure Stage, which will carry heavy-lift payloads to space for use by exploration missions on the moon and destinations beyond.

Mr. Cook has also been responsible for planning and directing research, technology and development activities for future generations of space transportation and advanced propulsion systems for more ambitious scientific exploration missions of our solar system.

Mr. Cook has received numerous honors and awards during his NASA career, including a NASA Outstanding Leadership Medal in 2007 for his exemplary management of the Exploration Launch Projects Office, along with a NASA Exceptional Service Medal in 2006 for outstanding efforts as a member of the Exploration Systems Architecture Study. He also received in 2006 the Holger Toftoy Award from the American Institute of Aeronautics and Astronautics. He received the NASA Outstanding Achievement Medal in 1999 for exceptional accomplishment in the area of space transportation. In 1997, he was awarded the Aerospace States Association Chairman's Award for outstanding civil space leadership.

He has authored 12 papers on advanced space propulsion and launch systems, was a contributing author of the 1997 McGraw Hill Aerospace Yearbook and holds a bachelor's degree in aerospace engineering and mechanics from the University of Minnesota.

Linda K. Froschauer, 2006–2007 President National Science Teachers Association

Linda K. Froschauer, a resident of Westport, K-5 Science and Math Curriculum Instructional Leader for the Weston Public Schools, is the 2007-2008 Retiring President of the National Science Teachers Association (NSTA). During her Presidential year, Linda emphasized the importance of supporting and encouraging preservice and new science teachers.

Froschauer began her teaching career as an elementary school teacher in Matteson, Illinois; moved on to middle level teaching in Matteson and at the Greenwich Public Schools, in Greenwich, Connecticut; and has been with the Weston Public Schools since 1985.



Froschauer is a past President of the Connecticut Science Supervisors Association (CSSA), the National Middle Level Science Teachers Association (NMLSTA), and the Council for Elementary Science International (CESI). She has been a leader and active member of NSTA, serving on the Board of Directors and on many committees, and

she has been actively involved in Project 2061, a national effort to improve science education sponsored by the American Association for the Advancement of Science.

Froschauer is the recipient of numerous awards, including Weston Teacher of the Year Award in 1999; the NSTA Distinguished Teaching Award, Middle Level, in 2001; and a Presidential Award for Excellence in Mathematics and Science Teaching in 1993. Froschauer earned a BS degree in education from Northern Illinois University, an MA in science teaching from Governors State University, and a sixth-year degree in curriculum and supervision from Southern Connecticut State University. She is also a National Board for Professional Teaching Standards certified teacher.

Froschauer's talk is titled "**The Most Important Factor in Science Education: Teachers**" The research is clear that the most significant element in a child's education is the quality of their teachers. Statistics tell us that if a child has a poor quality teacher for three years in a row in their early years they are likely to never catch up to their peers. Good teachers need other good teachers. Let's look at today's learner and think about how we can support one another in our profession.

Registration

[Download an early-bird registration form](#) (PDF)

[Or pre-register securely online using your credit card](#) before October 27, 2007.

You will save \$5 off the on-site registration fee and avoid the long lines!

Need your membership number? [Look it up here.](#)

Refunds

No refunds for registration fees will be given after November 5, 2007, unless there are extenuating circumstances. Requests for such refunds should be made in writing to the registration address. A service charge of \$5.00 will be deducted from each refund to cover costs of processing. Refunds for overpayment of fees will be available on-site.

Housing

It is never too early to make your hotel reservations. As usual, the conference will be held at the Koury Convention Center in Greensboro. Be sure to mention that you are attending the NCSTA institute to get the lower, conference rate. In order for us to bring you quality PDI each year, it costs money. One way to off-set our cost is for each participant, who will need overnight accommodations, to stay at the Sheraton Four Seasons. By staying at the Sheraton and sharing a room, you can help us off-set our costs tremendously.

Sheraton Greensboro Hotel at Four Seasons
3121 High Point Road at I-40
Greensboro, NC 27407
Phone: (336) 292-9161
Sales and Reservations: (800) 242-6556
www.sheratongreensboro.com
Reservations must be made by October 1, 2007

Share-a-thon

Are you a teacher with a great classroom activity that you would like to share? Warm up your copy machine and grab a table at the Share-a-thon! We are seeking teachers who have activities they would like to share with other PDI participants at our Share-a-thon sessions. If you are interested in sharing an activity, [contact Manley Midgett](#). If you are interested in collecting these activities, join us at the Share-a-thons on Thursday afternoon!

Elementary Share

Session D at 1:15 p.m. until 2:15 p.m.

Middle School Share

Session E at 2:30 p.m. until 3:30 p.m.

High School Share

Session F at 3:45 p.m. until 4:45 p.m.

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The Science Reflector

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[Elizabeth Snoke Harris](#), Editor