



TIDE *Inside* E

Technology, Innovation, Design, and Engineering

Monday, January 14, 2008

Last Chance to Save Big on ITEA Conference Registration!

“Teaching TIDE With Pride,” the Salt Lake City event, is **less than one month away!** And you have **LESS THAN ONE WEEK** remaining to take advantage of the early-bird conference registration fees offered for the **70th ITEA Annual Conference, February 21-23 in Salt Lake City.**

But, we **MUST** receive your registration by the end of this week! You can save big by registering with the advance prices . . . but they go up after **January 18**, so don't wait. If you know you are attending, register now.

Also, if you don't have a hotel room, you may not get one if you don't secure your room soon. The ITEA hotels are filling up fast, and our rates are guaranteed until **January 18**, but this is based on availability, and once the rooms are gone, they are gone.

Don't miss out—be sure to join your colleagues for “Teaching TIDE With Pride.” **For registration, housing information, and the full conference agenda, go to www.iteaconnect.org/Conference/registration.htm.** Try our new e-store to make your registration experience even easier!



Specialized Workshops in Salt Lake City

In addition to the many interest sessions that will be available to attendees at the Salt Lake City conference, there will be additional opportunities for professional development at the **Specialized Workshops**. Five Specialized Workshops will be presented on **Wednesday, February 20** from 1–4pm: Teaching Robotics in a STEM Setting; Best Practices for Increasing Female Student Enrollment in STEM;

Pre-Engineering Curriculum: Introducing a New Automation and Control Curriculum With Design Challenges; Flash Animation and Navigation: Demystified for the Technology Laboratory; and Engineering Concepts.

There will also be two **evening Specialized Workshops** available. On **Thursday, February 21**, from 6:30–9:30pm, Gerald Day and Barry

Burke, DTE will present “EbD™ Online End-of-Course Assessments and Design Challenge”; and on **Friday, February 22** from 6:30–9:30pm, Gareth Hall and Matthew Davies will present “The Design & Technology Experience at the British Schools of America.”

Be sure to keep these workshops in mind when you preregister this week. The cost for each workshop is \$95.

Inside TIDE is a free service of



The International Technology Education Association

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Help students succeed in today's global economy.
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www.iteaconnect.org

Engineering byDesign™ – Things to See and Do in Salt Lake City!

- **Visit the Engineering byDesign™ Booth** (#113) on the exhibit floor at the ITEA annual conference in Salt Lake City, February 21-23, 2008. This is a wonderful opportunity to talk with ITEA curricular authors and Curriculum Specialists about all aspects of the EbD™ program and ITEA Consortium membership. Sign up for the free EbD™ shirt raffle! There will be other “freebies” available as well!
- **Look for EbD™ sessions** at the ITEA annual conference in Salt Lake City, February 21-23, 2008. Learn more about specific topics related to the EbD™ comprehensive program, including:
 - Thursday, Feb. 21, 11am: **Schools Using the ITEA-EbD™ NASA Lessons**
 - Thursday, Feb 21, 1pm: **ITEA’s Engineering byDesign™ - The Primary Source for Resources in STEM**
 - Thursday, Feb 21, 2pm: **Using the Engineering byDesign™ National Model Online Assessment**
 - Thursday, Feb. 21, 3pm: **Schools Using the Engineering byDesign™ Classroom Resources**
 - Thursday, Feb. 21, 3pm: **Cardiac Arrest: An Engineering-Infused Medical Design Challenge**
 - Thursday, Feb. 21, 4pm: **NASA STS-118 Design Challenge: Elementary, Middle, and High School**
 - Thursday, Feb. 21, 6:30pm: **EbD™ Online End-of-Course Assessments and Design Challenge**
 - Friday, Feb. 22, 11am: **Using Standards-Based Lessons in the Classroom**
 - Friday, Feb. 22, 11am: **eTIDEonline – Resources and Lessons From Teachers and eTIDEonline**
 - Friday, Feb. 22, 2pm: **How Schools are Marketing Engineering byDesign™ – Making the Public Aware**
 - Friday, Feb. 22, 3pm: **The ITEA Resources in Flight – Lessons From the Classroom**
- **Have you registered** to participate in the ITEA-NASA lunar plant growth chamber design challenge? Receive free space-flown seeds from Educator Astronaut Barbara Morgan’s STS-118 mission! Visit Booth #113 on the exhibit floor at the ITEA annual conference in Salt Lake City, February 21-23, 2008, or visit www.nasa.gov/education/plantchallenge! Purchase a comprehensive CD for \$9.50 (+\$2.00 s/h) from ITEA that includes interactive, electronic versions of the design challenges for elementary, middle, and high school students by calling 703-860-2100!
- **Is your state an ITEA Consortium member**, entitled to free curriculum, free professional development, and free assessments? If not, what are you waiting for?! Join this elite group of decision-makers who are helping shape the future of the acclaimed Engineering byDesign™ program and STEM education. To find out more, contact **Barry Burke** at ebd@iteaconnect.org.



It’s Not Too Late to Obtain STS-118 Basil Seeds

There is still time to participate in the NASA STS-118 Design Challenges. If you are in need of a large quantity of the STS-118 basil seeds, follow these steps:

Step 1: **Go to** the NASA Engineering Design Challenge website at www.nasa.gov/education/plantchallenge.

Step 2: **Click on** the “Join the Challenge” link.

Step 3: Under “Register to Participate,” **click on** “View Site.”

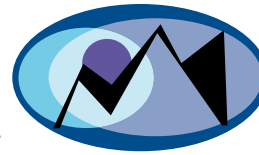
Step 4: **Complete** all information requested on the registration form.

Under “Type of Organization/School,” **click on** the “Museum/Science Center” Box.

Step 5: **Complete** the additional information requested.

Step 6: **Submit registration form** by clicking the “Submit” button at the bottom of the page.

Career Connection 2008!



International Technology Education Association
SALT LAKE CITY
February 21–23, 2008

Let ITEA Help Connect You to Positions in Technology Education.

Are you considering a job change or looking for a qualified technology educator?

ITEA will be offering a **Career Connection booth** at the annual conference in Salt Lake City, UT, February 21-23, 2008. Members can post a resume or place a position announcement.

Attendance at this conference is not necessary to take advantage of this member benefit. Email your resume or position announcement by **February 1, 2008** to: members@iteaconnect.org. ITEA can accept Word, html, PDF, and plain text files.

Resumes received from ITEA members will also be placed on ITEA's website free of charge for two months. ITEA Institutional members may advertise position openings on ITEA's website free of charge. Position announcements from schools and nonmember universities will be taken to conference for the Career Connection booth free of charge for the duration of the conference.

If you'd like to post the advertisement to ITEA's website following the conference, the cost is \$100 for one month or \$175 for two months. To facilitate payment, please fax your request with a Visa, MasterCard, or Discover number and expiration date. You may also mail credit card information or check, payable to ITEA, to 1914 Association Dr., Suite 201, Reston, VA 20191. Listings will be renewed upon written request.

Visit our website to register for the conference: www.iteaconnect.org/

[Conference/registration.htm](http://www.iteaconnect.org/Conference/registration.htm). You can also make your hotel arrangements at the Salt Lake City Marriott Downtown or Radisson Hotel Salt Lake City Downtown, our official conference hotels. Special conference rates have been arranged: www.iteaconnect.org/Conference/housing.htm.

Register for the conference before **January 18** to be entered into a drawing for a \$100 VISA Gift card! Drawings will be held at the general sessions on Thursday and Friday morning. You must be present to win.

ITEA Membership Matters!

"There is a world out there that speaks to your heart—practice through your association."

A **HOT** Special for the **COLDEST** months!



Now Available! Engineering byDesign™ Professional Development Guide for Advanced Design Applications and Advanced Technological Applications (ProBase)

The Engineering byDesign™ (EbD™) Professional Development Guide provides an overview of the concepts and structure of the Advanced Design and Advanced Technological Applications courses. The Guide explores the framework for constructivist learning, how Learning Cycles are used within the course, and helps the teacher and supervisor to develop a deeper understanding of the professional development needs of the curriculum. Developed as a part of the NSF-funded ProBase Project, the Guide is fundamental to the implementation of standards-based curricula.

P229CD - \$24.50; *Special Introductory Price for Members: \$16.50*
Call 703-860-2100 to order! Special price expires on 1/31/08.
Shipping fees apply.

Opportunities From NASA

Hurry! Applications are due January 15, 2008.

Robotics Academies

The **NASA Robotics Internship Program** is a 10-week resident summer internship for students specifically interested in robotics.

Interns are assigned to a team project and receive direct guidance from the Principal Investigator who sponsors the project. An advanced robotics student is assigned as team lead to guide interns and manage the project on a daily basis. The interns and team leads participate in enriching activities such as a group project, lectures, field trips, and meetings with leaders in the field.

Applicants must be U.S. citizens who are rising freshmen or sophomores with a GPA of at least 3.0 on a 4.0 scale. Students who have previously participated in the FIRST Robotics Competition, Botball, or have taken active interest in robotics in demonstrable ways are given priority. The 2008 internship will take place in June-August.

Applications are due Jan. 15, 2008.

Marshall Space Flight Center Robotics Academy

Information: <http://education.msfc.nasa.gov/Robotics/index.html>
Questions: Alan.Chow@nasa.gov

Goddard Space Flight Center Robotics Academy

Information: <http://university.gsfc.nasa.gov/programs/robotics.jsp>
Questions: David.J.Rosage@nasa.gov

NASA Academy

The **NASA Academy** is an intensive, residential, ten-week summer leadership development program for university level students. Activities throughout the summer include laboratory research work, a group project, lectures, meetings with experts and administrators, visits to NASA centers and space-related industries, technical writing, and presentations. Students learn how NASA and its centers operate, gain experience in world-class laboratories and participate in leadership development and relationship-building activities. Upon graduation, Academy participants are inducted into the NASA Academy Alumni Association, whose goal is to promote NASA, the NASA Academy, research, and space education.

To be eligible to apply, students must be rising juniors or seniors at the undergraduate level or be at the early graduate level in an accredited U.S. college or university. Applicants must also be majoring in engineering, science, mathematics, computer

science, or other areas of interest to NASA. They must have a minimum of a B average. Applicants must also be U.S. citizens or permanent residents as of May 2008. Students with disabilities are provided reasonable accommodation services.

Applications are due Jan. 15, 2008.

Information and online application: <http://academy.nasa.gov/>

AAAS/NASA Internships for Students with Disabilities

Applications are now being accepted for the **Achieving Competence in Computing, Engineering, and Space Science program**, also known as **ACCESS**. This 10-week, paid internship at NASA centers around the U.S. is designed for undergraduate and graduate students with disabilities.

Applicants should have strong backgrounds in science and a desire to pursue technical careers. Students who are chosen will work with scientists and engineers in an area compatible with their skills and interests.

Applications are due Jan. 15, 2008.

Information: www.entrypoint.org
Questions: Janie.Nall@nasa.gov

Lowe's Scholarships Provide Cash for College

Lowe's Scholarship Applications Available Jan 1- March 15

Applications are now available for the Lowe's Scholarship, which is available to high school seniors nationwide. High school seniors and current college students who plan to enroll full-time in an undergraduate program at any accredited two- or four-year college or university within the United States are eligible to apply. The scholarships are funded through Lowe's Charitable and Educational Foundation. For more information and to apply, visit www.lowes.com/lowes/lkn?action=pg&p=Scholarship/lowesfoundation_120606.html. *The application deadline is March 15.*

Conference Opportunities

January 15, 2008 Deadline for Call for Proposals for the **inaugural conference of the Canadian Network for Innovation in Education (CNIE), *Reaching New Heights: Learning Innovation***, which will take place **April 27-30** in Banff, Alberta, Canada. Information can be found on the conference website at www.athabascau.ca/CNIE-RCIE/english/program/.

February 7-9, 2008 The **American Association of Colleges for Teacher Education (AACTE)** will celebrate its **60th Annual Meeting and Exhibits, *Quality Matters: Our Commitment to All Learners***, at the Hilton New Orleans Riverside, New Orleans, LA. Learn more at www.aacte.org/Events/meeting_exhibits.aspx. Or visit www.aacte.org/News/default.aspx for daily news briefs on teacher education issues; www.aacte.org/News/education_news_blogs.aspx for education-related blogs and daily newspapers; and www.aacte.org/News/grants_awards.aspx for grant opportunities for K-12 teachers and institutions of higher education.

February 14-18, 2008 Please join the **American Association for the Advancement of Science (AAAS)** for its 2008 Annual Meeting in Boston. The theme is "***Science and Technology from a Global Perspective***." More information on the meeting is available at: www.aaas.org/meetings/.

February 25-26, 2008 The **Triangle Coalition Annual Conference on STEM Education Policy** will take place in Alexandria, VA. It's not too late! Registration is still open, but space is limited. Visit www.trianglecoalition.org/conf.htm for Program Information and Agenda; www.trianglecoalition.org/pdf/2008/2008confreg.pdf for the Registration Form (FAX in your registration form today!); or register online at www.trianglecoalition.org/confolreg.htm.

February 28-March 1, 2008 The **Annual Virginia Children's Engineering Convention** will be held at the Holiday Inn Select, Koger South Conference Center, Richmond, VA. Visit the website at www.vtea.org/ESTE/ for complete information.

March 14, 2008 Deadline for abstracts for the **5th Biennial International Technology Education Research Conference, "Exploring Technology Education: Solutions to Issues in a Globalised World,"** to be held **November 27-29, 2008** at the Griffith Institute for Educational Research in Queensland, Australia. For information, contact h.middleton@griffith.edu.au. Send abstracts to d.burns@griffith.edu.au.

March 28-29, 2008 The **Ohio Technology Education Association (OTEA) Annual Spring Conference** will be held at Worthington Kilbourne High School

in Worthington, OH. The conference will be an extension of the 2007 OTEA Fall Conference, with topics of discussion focusing around STEM and other educational topics. Visit www.otea.info for the latest details.

April 13 - 16, 2008 The **13th Annual Technology in Education Conference and Tech Exposition, TechEd 2008**, will take place at the Ontario Convention Center in Ontario, CA. The Community College Foundation is calling for presentations for this event, the theme of which is ***Realizing the Vision***. A full description of topics and the Abstract submission process is available online at www.TechEdEvents.org/2008. Registration is now open, and the Program is available.

April 27-30, 2008 The **inaugural conference of the Canadian Network for Innovation in Education (CNIE), *Reaching New Heights: Learning Innovation***, will take place in Banff, Alberta, Canada. Information can be found on the conference website at www.athabascau.ca/CNIE-RCIE/.

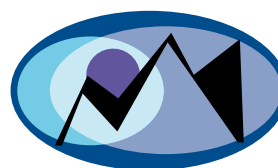
May 1-2, 2008 Save the date for the **2008 New Jersey Technology Education Association (NJTEA) Conference**, which will take place at the Hyatt in New Brunswick, NJ. Visit the new website at www.njtea.org for the latest information.

HURRY! Time is running out to SAVE \$\$\$

January 18, 2008 is the deadline for money-saving registration discounts for **ITEA's Salt Lake City conference**, February 21-23, 2008.



Salt Palace Convention Center



International Technology Education Association
SALT LAKE CITY
 February 21-23, 2008

[Click here to register.](#)

February 21-23, 2008
ITEA's 70th Annual ITEA Conference, *Teaching TIDE With Pride*, will be held in Salt Lake City, UT.

The latest information and details are available on the ITEA website at www.iteaconnect.org/Conference/conferenceguide.htm.