

◆ Preliminary Program

74th Annual Conference

ITEEA LONG BEACH

MARCH 15-17, 2012 • CALIFORNIA

Changing the Conversation: Improving P-16 Technology and Engineering



International Technology and
Engineering Educators Association

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Invitation From ITEEA President, Tom Bell



Technology and Engineering Educators,

I would like to take this opportunity to invite you to the premier professional development conference for technology and engineering education professionals—the 74th Annual ITEEA Conference. This year we will be hosted by a local California planning committee that has worked extremely hard to ensure that your time at the conference is both enjoyable and rewarding.

The theme for this year's conference is **"Changing the Conversation: Improving K-16 Technology and Engineering."** With the name change two years ago and the addition of engineering education, we have firmly established ourselves as the leading professional association concerned with providing and meeting the professional development needs of

classroom teachers, supervisors, curriculum writers, and teacher educators who are interested in developing technological literacy.

Our Program Excellence keynote speaker is Dr. Don P. Giddens, Dean of the College of Engineering at Georgia Tech. Dr. Giddens chaired the National Academy of Engineering's Committee on Improving the Public Understanding of Engineering. His report on "Changing the Conversation" specifically looked at how messages from various populations described the engineering profession. A better understanding of engineering would help educate the public for sustaining technological innovation, encourage young people to pursue engineering careers, and improve technological literacy.

The Teacher Excellence Keynote Speaker is Kellie Johnson, President of Ace Clearwater Enterprises, a manufacturing company specializing in complex formed and welded assemblies for the aerospace and power-generation industries. Johnson serves on the Board of Directors of the National Association of Manufacturers and is Chair of NAM's Small and Medium Manufacturers (SMM) group. She is also a member of the Board of Trustees for the Manufacturing Institute. Her company aggressively promotes internship programs to expose young people to engineering and other manufacturing-related careers by working closely with community colleges and universities. At the ITEEA General Session she will be giving her perspective on the need to promote careers in manufacturing and engineering, and the importance of educators understanding the requirements of employers who are looking to them for the next-generation workforce.

This year's conference will also give us a chance to recognize the fine work of our colleagues. The Teacher Excellence and Program Excellence Awards represent the finest teachers and programs in each state. And our conference wouldn't be complete without a trip through the exhibit area. Please take the time to visit with vendors and see a complete line of tools, materials, and teaching resources to help you and your students excel.

On behalf of the ITEEA Board of Directors, I look forward to seeing you in Long Beach, California for ITEEA's 74th Annual Conference.

Let's have a great conference.

Sincerely,
Thomas P. Bell, Ph.D., DTE
ITEEA President 2011-2012



Photo Credit: Destinations Magazine

Featured Keynote Speakers

Program Excellence General Session



Thursday, March 15, 2012
9:00am–10:50am
Long Beach Convention Center
Featured Speaker:
Dr. Don P. Giddens
Dean of the College of
Engineering, Georgia Tech

How can we continue to lead the world in innovation with the current directions being taken in engineering and technological literacy? The answer may hinge in part on how well the public understands engineering, a key component of what defines an “innovation technologist and engineer.” A related concern is how to encourage young people—particularly girls and under-represented minorities—to consider technology and engineering career options.

ITEEA is pleased to announce National Academy of Engineering member Dr. Don P. Giddens as the First General Session Speaker in Long Beach. Dr. Giddens, who chaired the NAE Committee on Public Understanding of Engineering Messages, will address the findings of The Academies as they recommended how to “Change the Conversation” when it comes to technological occupations.

Dr. Giddens is the Dean of the College of Engineering, Lawrence L. Gellerstedt, Jr. Chair in Bioengineering, and Georgia Research Alliance Eminent Scholar at Georgia Tech. Giddens has received numerous awards from the engineering community and has served in a variety of professional activities involving engineering education and biomedical research. He is the President of the American Society of Engineering Education (ASEE), has been a chair of the ASEE Engineering Deans Council, and served on the Board of Directors of the Georgia Tech Research Corporation.



Teacher Excellence General Session



Friday, March 16, 2012
9:00am–10:50am
Long Beach Convention Center
Featured Speakers:
Christine Purcell
Salient Federal Solutions



Tom Fitzgerald, Director
Engineering Directorate, LAAFB

This session will be a part of a larger Teacher Excellence Awards Session in which technology and engineering teachers from every state will be honored for their outstanding achievements.

Our keynote speaker is Christine Purcell. Purcell is currently employed by Salient Federal Solutions, providing process optimization, engineering strategic planning, manufacturing, quality, supply chain and technical workforce development support to the USAF Space and Missiles Systems Center at LAAFB in El Segundo, CA. She has over 30 years of experience implementing and supporting technology, people, and process systems in highly technical industries, including aerospace, communications, and electronics. Christine has also been an independent contractor to several California school districts and private schools, delivering hands-on integrated science supplemental education based on her industry experience.

Christine will be joined by Tom Fitzgerald, Director, Engineering Directorate, at the Space and Missile Systems Center, LAAFB, El Segundo, CA. He has over 40 years of operational, engineering, and program management experience with the USAF and has been the System Program Director on several large Air Force aircraft and space programs.

At the ITEEA General Session they will be giving their perspective on the need to promote careers in manufacturing and engineering, and the importance of educators understanding the requirements of employers who are looking to them for the next generation workforce—systems, problem solving, innovation, and technical skills are all critical for success in the 21st century.

[ITEEA Long Beach – March 15-17, 2012 – Click here to register!](#)

Featured Meal Function Events

International Luncheon



Thursday, March 15, 2012
12:00pm–1:30pm
Renaissance Hotel
**“Technology Education’s
Development in Primary and
Secondary Schools in China”**
Featured Speaker: Jianjun Gu
Cost: \$35; ticket required

Jianjun Gu is a professor with the School of Educational Science of Nanjing Normal University in China, where he has taught since 1988. He serves as Secretary of the Party Committee and Deputy President of School of Education Science. His area of specialization is Technical Education and Vocational Education, especially General Technology in Chinese high schools. He is the Leader of Experts Group of General High School TCS and compiled General Technology’s teaching material in Chinese high schools. Additionally, Professor Gu serves as an organizer of General Technology teacher training in many Chinese provinces. He has published many books, including *Analysis and Implementation Strategy of General Technology in High School*, *Concepts and Education Practice of Technology on High School*, *New Curriculum*. His new book, *Technology Education Classics*, is due to be released soon.

FTEE

“Spirit of Excellence Breakfast”



Friday, March 16, 2012
7:00am–8:45am
Renaissance Hotel
Featured Speaker:
Aaron Clark, DTE
Cost: \$25; ticket required

This breakfast is a celebration of excellence and recognition of outstanding individuals who are destined to become the next generation of leaders in the profession.

The main presenter will be Aaron Clark, DTE, who will speak on the topic of “Excellence” from his perspective as a national leader with considerable experience in our profession. Dr. Clark is Professor of Technology, Design, and Engineering Education and Director of Graduate Programs and Associate Department Chair at North Carolina State University.

Dr. Clark has worked in both industry and education at various levels. His teaching specialties are in visual theory, 3-D modeling, technical animation, and STEM-based pedagogy. Research areas include graphics education, game art and design, and scientific/technical visualization. He presents and publishes in both technical/technology education and engineering and has won numerous awards for his research.

Dr. Clark has been and continues to be a Principle Investigator on a variety of grants related to technology education and has focused his funded research in areas related to STEM curricula integration. He currently serves as Chair of the Design Graphics Division of ASEE. He has served in various leadership roles in disciplines related to Career and Technical Education. He consults for a variety of businesses, educational agencies, and organizations and is currently working with the global education initiative.



Featured Meal Function Events



CITEA Luncheon

Thursday, March 15, 2012

12:30pm–2:00pm

Renaissance Hotel

Cost: \$35; ticket required

This CITEA Luncheon kicks off the 83rd annual state conference of the California Industrial and Technology Education Association. Hear about the state of CTE education in California and connect with the educational leaders from California.

CITEA Banquet

Friday, March 16, 2012

6:00pm–9:00pm

Westin Hotel

Cost: \$35; ticket required

This is the annual awards banquet for the California Industrial and Technology Education Association. Some of the awards given out at this event are State Teacher of the Year, Program of the Year, Industry Person of the Year, and Legislator of the Year. Come and celebrate the great work of the people in CITEA.

TECA Awards Banquet

Friday, March 16, 2012

6:00pm–8:00pm

Westin Hotel

Cost: \$35; ticket required

(Student ticket included in Student Registration Package.)

The Awards Dinner and Closing Ceremony recognizes the winners from the various competitions at the conference, outstanding chapters and members, as well as the accomplishments of TECA during the 2011-12 year. A buffet dinner will be served before the awards (included in student conference registration). Teaching professionals and others are welcome to attend this special evening.

EPT Breakfast

Saturday, March 17, 2012

7:00am–8:45am

Renaissance Hotel

Cost: \$25; ticket required

This function of ITEEA's official honor society is open to all conference participants.

Speakers: The EPT Board of Directors

ITEEA Awards Luncheon

Saturday, March 17, 2012

12:00pm–1:50pm

Renaissance Hotel

Cost: \$35; ticket required

Expect to make new friends, learn who are considered current and future leaders, and position yourself for being in the know when it comes to helping your colleagues adjust their programs in the right direction. Meet the new President. Learn about the new strategic directions for the field. Network with your fellow leaders. Celebrate excellence. Most of all, have a good time!



Professional Development

Professional Development Learning Sessions

Over 100 Professional Development Learning Sessions will be conducted at this year's conference. Sessions are 50 minutes in length and occur on Thursday, Friday, and Saturday. Listed below are a few highlights of each day; complete session titles are listed on the ITEEA conference website.

Thursday

- Application of Alternative Energy
- Building Systemic and Sustained K-12 Technology and Engineering
- Engineering Education in Formal-Nonformal-Informal Settings
- Home Automation Systems
- Integrated Technologies: Augmented Reality, 3-D Scanning, Modeling
- Preparing Globally Competent Students in STEM
- Reinventing the Electric Car: Part 2
- Technology Education and the Common Core Standards
- Technology, Engineering, and Environment: Realistic STEM Relationships
- The Ultimate STEM Teacher

Friday

- Assessment: It Takes a Village
- Bio-Related Technology: Activities to Meet the Standards
- Changing STEM Laboratories: Centers of Applied Learning
- Demand-Driven Integrated STEM Video Game Courses
- Fostering and Assessing Creativity in STEM Education
- Integrated Mathematics, Science, and Technology, Grades 6-8
- NASA INSPIRE Project
- Professional Development Plans for Technology Education Educators
- Serious Games and Virtual Learning
- Using Novels to Teach Ethics

Saturday

- A 21st Century STEM Teacher Preparation Model
- A Comparative Analysis of Preferred Learning Styles
- Edutainment in Technology and Engineering Education
- Gender Differences in STEM-Related Activities
- General Education Course Builds Critical Thinking Skills
- NASA Resources for Future Engineers
- Powering Up an Energy Systems Pathway
- Promoting Children's Engineering: Spreading the Word
- Teaching Civics, Ethics, and Philosophy Through Technology Education
- Utilizing Moodle: The Online Classroom

Teaching Technology and Engineering Showcase

(Technology Festival)

Saturday, March 17

9:00am–11:00am

Renaissance Hotel

The Teaching Technology and Engineering Showcase is an exhibition of best practices in the teaching of technology and engineering education. Showcasers include, but are not limited to, K–12 technology and engineering teachers, teacher educators, administrators, undergraduate and graduate students, and informal educators. The Showcase provides a forum to feature an idea, technique, or best practice related to learning activities, marketing materials, career guidance, facility design, program design, assessment methods, equity, or classroom and laboratory management techniques. Showcasers are asked to illuminate a single element of technology or engineering teaching and learning that they feel they have exemplified. If you are interested in participating, [the deadline for application is March 1, 2012](#). Go to www.iteea.org/Conference/conferenceguide.htm for complete details and the application form.

PATT

PATT is an international series of technological literacy conferences, held within the framework of the ITEEA conference. PATT sessions are open to all those who are interested in learning about international developments. The PATT preregistration fee of \$379/member or \$469/nonmember includes: ITEEA conference registration, International Luncheon, and PATT Reception and electronic proceedings. Sign up on the ITEEA registration form.



CITEA—the California Industrial and Technology Education Association—will hold

its 83rd annual state conference in conjunction with the ITEEA International Conference in Long Beach, CA. The CITEA program will reflect the California practice of a hands-on, skill-based application of STEM principles in the classroom. Attendees to the conference will have access to both the California and the ITEEA programs. There is something for every interest, in every area, and every discipline. Find out more on the CITEA.org and ITEEA.org websites.

Specialized Workshops

Choose from six specialized preconference workshops available this year. All workshops will be held on **Wednesday, March 14, 1:00pm-4:00pm** and carry a \$95 registration fee.

Basic Grant Writing

1:00-4:00pm

This workshop is designed to introduce professionals in technology and engineering education to the basics of grant writing for all levels of funding at local, state, and national levels. The workshop will provide essential information on how to get started writing grants, resources on how to find funding, and how to manage a grant once funded. The workshop will include lecture, hands-on activities, multi-media, and guest speakers.

Presenters: Aaron C. Clark, DTE, Jeremy V. Ernst, and Ted Branoff

CEENBoT Robotics

1:00-4:00pm

Integrate Science and Math Into Your Program

This NSF-supported STEM Education workshop will show teachers how educational robotics and the CEENBoT platform can be a classroom tool that enhances student learning experiences. Teachers will be engaged in hands-on activities that support the use of TI graphing calculators as well as a library of functions for the classroom. The workshop will include a brief introduction to robotics, the design of the CEENBoT, instructions on how to use CEENBoTs, and over 120 lessons for STEM concept instruction. All workshop participants will receive a CEENBoT to use in their classroom.

Presenters: Bing Chen, Bob Goeman, Neal Grandgenett, Jeff Jensen, and Elliott Ostler

Survival Master: A 3-D Computer Game

1:00-4:00pm

(Designed specifically for secondary school engineering and technology education students.)

Simulations and Modeling in Technology Education (SMTE) is a five-year National Science Foundation-funded project that is researching the potential of a hybrid instructional model that blends computer gaming and physical modeling using tools and materials. The project, conducted by Hofstra University, has designed a four-week-long 3-D computer game called *Survival Master* and a companion physical modeling curriculum specifically for middle school engineering and technology education students and teachers based on *Standards for Technological Literacy*. Project research is comparing student learning and engagement in gaming and more traditional physical modeling delivery modes.

This preconference workshop will offer teachers a chance to play the computer game under the supervision of the project developers and expert engineering and technology educators who have pilot-tested the materials. Participants will be provided with complimentary access to the game and the physical modeling curriculum for use with their classes. An introductory three-minute video about *Survival Master* can be viewed at www.gaming2learn.org.

The browser-based 3-D computer game teaches students about surface area and volume of geometric shapes, heat flow, and structural design in the context of a challenge to design a shelter for survivors of an earthquake in a very cold climate. The shelter must be designed to retain the heat generated by four survivors and withstand a given snow load and wind load. Participants must bring a laptop computer (Windows-based only) and a mouse.

Presenters: Michael Hacker and Jim Kiggins, Hofstra University, New York; and several technology teachers who have been pilot-testing the game.



Specialized Workshops

Wednesday, March 14

Studio Animation and HD Video for the Technology Laboratory

1:00-4:00pm

This hands-on workshop engages technology teachers with how to use current tools such as Premiere Pro, After Effects, and Encore to enable their students (Grades 8-12) to edit high definition (HD) video and create animation effects for devices and the World Wide Web. In the second half of the last decade, greater bandwidth, displays/devices large and small, and software/hardware evolved to revolutionize the media world. Students in classrooms can now produce techniques employed by professionals in studios. This workshop will focus on techniques, concepts, and tools to introduce your students to these new technical developments and design considerations to produce, edit, and publish their animations and HD videos for a variety of devices, displays, and media (e.g., Blu-ray disks). Every participant will be introduced to and receive a lab-pack instructional disk including lessons, exercise files, instructional videos, and projects for their students. This workshop is designed for teachers with beginning/intermediate skill level with video and animation techniques. Note: Please bring an up-to-date PC or Mac laptop to the workshop; trial software and camcorders will be provided.

Presenter: Mark Springston, State University of NY Oswego

Teaching Renewable Energy Technology

1:00-4:00pm

Participants will be provided an overview of renewable energy technology; sample lessons, materials, and curriculum activities; and a four-semester curriculum guide for renewable energy technology. This hands-on preconference session will also provide participants with an opportunity to complete design challenges, experiment with fuel pellets, and design a wind-powered demonstration device.

Presenters: Mike Daugherty and Vinson Carter

DESIGN SQUAD: As Built on TV

1:00-4:00pm

This workshop will introduce participants to resources that will help middle and high school students deepen their understanding of the design process and increase their motivation to pursue engineering. Participants will learn how to use *Design Squad's* challenges, as well as the free online resources to enrich their existing curricula. Each participant will receive a set of *Design Squad* activity guides as well as DVDs of select episodes. Learn to use PBS' *Design Squad's* robust library of engineering challenges, episodes, animations illustrating STEM concepts, and videos of real engineers in your classroom.

Presenters: WGBH Boston PBS Staff

Specialized Post-Conference Workshop

Robotics, Engineering, and Automation

Saturday, March 17

8:30am-4:00pm

\$95 fee (lunch included)

EbDLab™-HS: PathwayExtension™ - Robotics, Engineering, and Automation EbDLab™

This High School EbDLab™ provides in-depth hands-on exercise for teachers and administrators on the new EbDPathwayExtension™ in Robotics, Engineering, and Automation. During the full-day session, participants build, program, and compete with robots using the same curriculum featured in EbD's Robotics PathwayExtension™. Each participant will receive a copy of easyC® for Cortex robotic programming software and "Introduction to Competitive Robotics" curriculum for use in the classroom! Space is limited to the first 25 registrants – register early to guarantee your place!

Laptops are required.





Engineering byDesign Labs™

EbDLabs™ are an excellent opportunity for teachers and other educators to experience one of the Engineering byDesign™ (EbD™) courses in a workshop environment. Comprehensive professional development is provided for each course or instructional component. A small fee (\$45) is requested to cover supplies and can be paid as part of conference registration. Whether you are in a Consortium state or not, whether you are currently teaching an EbD™ course or just want to find out more—these workshops are not to be missed. All EbDLabs™ will be hands-on, minds-on, preparing teachers with the fundamentals necessary to implement the courses/units.

Sessions are limited to 30 participants each. All sessions will be held at the Westin Hotel.

Thursday, March 15 – 1:00pm–4:50pm

EbD Lab™-ES: Technology Starters

This Elementary School EbD Lab™ provides training for teachers and administrators on *Technology Starters* for Grades K-2. Participants will leave with a CD containing lessons from the curriculum.

EbD Lab™-MS: Exploring Technology, 3rd Ed.

This Middle School EbD Lab™ provides training for teachers and administrators on the *Exploring Technology, Third Edition* Course Guide for Grade 6. Participants will leave with a CD containing lessons from the course.

EbD Lab™-HS: Foundations of Technology, 3rd Ed.

This High School EbD Lab™ provides training for teachers and administrators on the *Foundations of Technology, Third Edition* Course Guide and Student Online Version for Grade 9. Participants will leave with a CD containing lessons from the course. [Laptops are required.](#)

EbD Lab™-HS: Advanced Design Applications

This High School EbD Lab™ provides training for teachers and administrators on the *Advanced Design Applications* Course Guide for Grades 11–12. Participants will leave with a CD containing lessons from the course. [Laptops are required.](#)

Friday, March 16 – 1:00pm–4:50pm

EbD Lab™-MS: Technological Systems, 2nd Ed.

This Middle School EbD Lab™ provides training for teachers and administrators on the *Technological Systems, Second Edition* Course Guide for Grade 8. Participants will leave with a CD containing lessons from the course.

EbD Lab™-HS: Game Art and Design I

This High School EbD Lab™ provides training for teachers and administrators on the *Game Art and Design I* Course Guide for Grades 10–12. Participants will leave with a CD containing lessons from the course. [Laptops are required.](#)

EbD Lab™-HS: Technology and Society, 2nd Ed.

This High School EbD Lab™ provides training for teachers and administrators on the *Technology and Society* Course Guide for Grades 10-12. Participants will leave with a CD containing lessons from the course.

EbD Lab™-HS: Engineering Design, 2nd Ed.

This High School EbD Lab™ provides training for teachers and administrators on the *Engineering Design, Second Edition* Course Guide for Grades 11–12. Participants will leave with a CD containing lessons from the course.

Saturday, March 17 – 9:00am–11:50am

EbD Lab™-ES: Invention, Innovation, and Inquiry (I³)

This Elementary School EbD Lab™ provides training for teachers and administrators on the *Invention, Innovation and Inquiry (I³)* NSF-funded Project for Grades 3-5. Participants will leave with a CD containing lessons from the curriculum.

EbD Lab™-HS: Scientific Visualization I

This High School EbD Lab™ provides training for teachers and administrators on the *Scientific Visualization I* Course Guide for Grades 10-12. Participants will leave with a CD containing lessons from the course. [Laptops are required.](#)

EbD Lab™-MS: Invention and Innovation, 3rd Ed.

This Middle School EbD Lab™ provides training for teachers and administrators on the *Invention and Innovation, Third Edition* Course Guide for Grade 7. Participants will leave with a CD containing lessons from the course.

EbD Lab™-HS: Advanced Technological Applications

This High School EbD Lab™ provides training for teachers and administrators on the *Advanced Technological Applications* Course Guide for Grades 11–12. Participants will leave with a CD containing lessons from the course. [Laptops are required.](#)

Educational Tours

Thursday, March 15, 2012

Northrop Grumman

1:00pm–5:00pm

Northrop Grumman has a principal role in the design and production of the F/A-18E/F Super Hornet Block II, the U.S. Navy's frontline carrier-based strike fighter. The most advanced multi-role strike fighter available today and for the foreseeable future, the Super Hornet has the capability, flexibility, and performance necessary to modernize the air or naval aviation forces of any country. As principal subcontractor to the Boeing Company, Northrop Grumman produces the F/A-18's aft/center fuselage section and vertical tails and integrates all associated subsystems at its facility in El Segundo, California. Northrop Grumman has delivered more than 1,800 fuselage "shipsets" since the F/A-18 program began in the 1970s. **Limited to 30 participants.**

Cost: \$35pp.

International Printing Museum

1:00pm–5:00pm

An exciting, hands-on experience awaits you at the International Printing Museum, a dynamic museum devoted to bringing the history of books, printing, and the book arts to life for diverse audiences. The staff and volunteers make it their mission to take one of the world's most significant collections of antique printing machinery and interpret it for today's audiences through working demonstrations and theater presentations. Share what has been experienced by more than 400,000 people since 1988 and learn about the Museum's innovative school outreach program. The International Printing Museum has been recognized worldwide for the size and importance of its collection and for the successful and creative approach to interpreting the collection for the community and the world at large. Of special interest to educators may be the programs the museum provides to bring the history of printing, books, great inventions, and their impact on our history and society to life for students.

Cost: \$35 pp.

Thursday and Friday tour programs depart the Convention Center at various times, so be sure to check the on-site program. Participation is limited on each tour, first-come, first-served, so register early. Due to the limited availability of these educational tours, you must be a fully registered conference attendee in order to qualify for participation.

Friday, March 16, 2012

Ace Clearwater Enterprises

1:00pm–5:00pm

Since 1949 Ace Clearwater Enterprises has been building complex formed and welded assemblies for the aerospace and power-generation industries. Operating from three facilities within a 10-square-mile radius in Southern California, our employees are the best problem-solving team in the business. Ace is the place for Engineering, Forming, Bending, Welding, Machining, Water jet, and Assembly. We have over 350,000 square feet of pure manufacturing agility and people with the experience to make it happen. Key customers include Honeywell, Lockheed Martin, Textron/Bell, Cessna, General Electric, Monogram Sanitation, Northrop Grumman, Sikorsky, Pratt & Whitney, Middle River, U.S. Government, Airbus, and Boeing.

Cost: \$35pp.

California Science Center

1:00pm–5:00pm

Experience the West Coast's largest hands-on science center, the California Science Center. Named by Forbes.com as the most popular museum destination in Southern California, its mission is to stimulate curiosity and inspire science learning in everyone by creating fun, memorable experiences that assist visitors in understanding our world. The Center has received more than 18 million visitors since opening in February 1998. The Science Center provides a rare model for science learning by combining exhibits with an on-site Science Center School and Amgen Center for Science Learning as well as a teacher professional development program.

Cost: \$35pp.

Council and Other Programming

These councils and groups will hold meetings and offer programming during the ITEEA conference. Go to www.iteea.org/Conference/conferenceguide.htm to see individual council program offerings.



Exhibits-at-a-Glance



Exhibits Open:

Thursday, March 15, 11:00am–5:00pm
Friday, March 16, 11:00am–3:00pm

Dedicated Exhibit Hours

Thursday, March 15, 11:00am-1:00pm
Friday, March 16, 12:00pm-2:00pm

Lunch in Exhibit Hall

A complimentary lunch will be offered to all registered conference attendees on Friday, March 16 from 11:30am–1:00pm. Lunch is generously sponsored by Hearlihy, LEGO Education, and Pitsco Education.

Back by Popular Demand – Vendor Raffle!

Vendors will provide prizes for a raffle that will occur at the end of the day on Thursday, March 15. Winners will be announced in the Exhibit Hall.



Confirmed Exhibitors as of November 1, 2011:

CareerSafe Online
CNC Mastercam Software, Inc.
Delmar, Cengage Learning
DEPCO, LLC
DS SolidWorks Corporation*
Energy Concepts, Inc.
Goodheart-Willcox Publisher*
Graymark International, Inc.
Hearlihy*
intelitek, Inc.*
Lab-Volt Systems
LEGO Education North America*
McGraw-Hill Education
Paxton/Patterson*
Pearson Career & Technology
Pitsco Education Catalog*
Pitsco Education Curriculum*
The STEM Academy
Stratasys 3D Printers & Production Systems
TeacherGeek Inc.*
Tech Ed Concepts, Inc.
Vernier Software & Technology
VEX Robotics
WhiteBox Learning

Bold indicates corporate member

**Indicates sponsor*

For the most up-to-date list of exhibitors, go to www.iteea.org/Marketplace/exhibitorlist.htm

ITEEA Long Beach – March 15-17, 2012 – [Click here to register!](#)

Sponsors

ITEEA and its membership extend a special

THANK YOU

to the sponsors who are generously supporting this conference.



Pitsco Exhibit Hall lunch



Registration Information

Registration and ITEEA Resource Center Hours

Wednesday, March 14, 11:00am–5:00pm

Thursday, March 15, 8:00am–5:00pm

Friday, March 16, 8:00am–5:00pm

Registration and the Resource Center are both located in the Long Beach Convention Center.

Preregistration Discounts

Register prior to February 10, 2012 and you can save nearly 20% on conference registration fees. Preregistration pricing is \$329 for ITEEA members and \$419 for nonmembers. After February 10, full conference rates of \$369 for members and \$459 for nonmembers will apply.

Preregistration Prize Drawings

Names of those registered by February 10 will 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.

ITEEA Workshops

All workshops held on Wednesday, March 14 and Saturday, March 17, carry a \$95 registration fee. You must be registered for the conference and pay the workshop fee in order to attend.

Professional Development Learning Sessions

Sessions are scheduled at regular times throughout the conference and generally last 50 minutes. All ITEEA Professional Development Learning Sessions will take place in the Long Beach Convention Center on Thursday and Friday and at the Renaissance Hotel on Saturday. Please refer to the final conference program for further details.

Refund Policy

ITEEA conference registration refunds will be honored when requested in writing prior to March 1, 2012. All refunds are subject to a \$50 processing fee, which will be deducted from the total. Refunds will be issued following the conference. After March 1, no refunds will be granted. Meal functions, workshops, and the educational tours are nonrefundable.

Limitations and Liability

The International Technology and Engineering Educators Association, its directors, employees, contractors, consultants, committees, and hosting organizations are not responsible for any personal injury, loss, or damages resulting from travel to, from, during, or as a result of attendance at the 74th Annual ITEEA Conference, nor for any expenses incurred as result of travel arrangement changes for any reason, including strikes, illness, weather, acts of God, national security breaches, or other causes.

Spouse/Guest Brunch

Thursday, March 15 9:00am–10:30am

Renaissance Hotel

This event is included with the spouse registration, but please indicate your plans to attend on the registration form. Join us for brunch and take this time to meet other spouses and guests attending the conference. You'll also hear about some of the things to see and do in Long Beach during your stay.

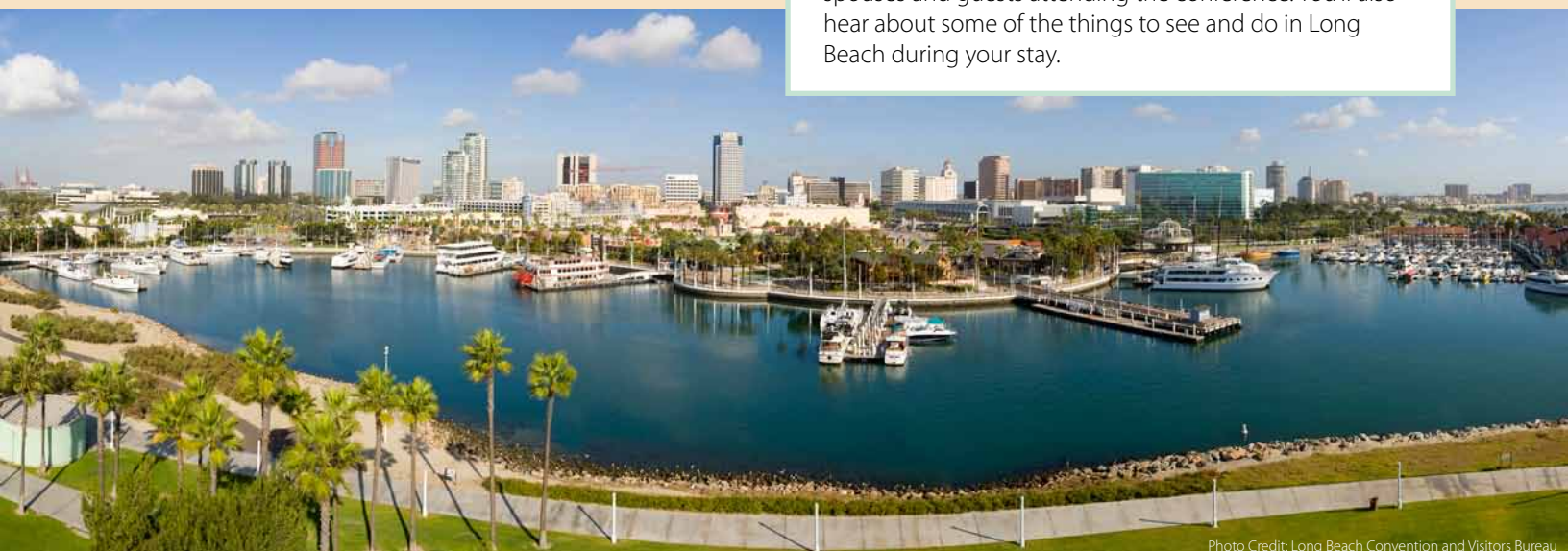


Photo Credit: Long Beach Convention and Visitors Bureau

ITEEA Long Beach – March 15-17, 2012 – [Click here to register!](#)

Accommodations/Housing Package

The official ITEEA host hotels are the Renaissance, Westin, Hilton, and Courtyard by Marriott. The Renaissance and Westin will serve as the official ITEEA co-headquarters hotels, and all four hotels are within walking distance of each other and of the Long Beach Convention Center. Housing opens November 1, 2011.

ITEEA Conference rates are listed below, and include complimentary high-speed Internet access.

- **Renaissance:** \$159 single/double, \$179 triple, \$199 quad
- **Westin:** \$159 single/double, \$184 triple, \$209 quad
- **Hilton:** \$139 single/double, \$159 triple, \$179 quad
- **Courtyard by Marriott:** \$129 single/double, \$139 triple, \$149 quad

The Renaissance, Westin, and Courtyard are smoke-free hotels. The Hilton offers smoking accommodations.

ITEEA hotel rates at all four official ITEEA hotels include daily high-speed Internet access. Only ITEEA attendees registered through the official ITEEA room block will receive complimentary high-speed Internet access during their stay. Our special ITEEA conference rates are guaranteed to be the lowest you can find, and these rooms—at these prices—will not last long. Rooms at these properties are selling at rates much higher than our conference rates, so don't delay in making your reservation and securing a room in the ITEEA room block. Housing will be handled by each individual property—via phone or online. Your reservation requests will be processed on a first-come, first-served basis, so register early to ensure your first choice of hotels. Rates are available three days prior/following the official ITEEA meeting dates (based on availability).

The Long Beach Convention Center will be the location for the exhibits, general sessions, Professional Development Learning Sessions, preconference workshops, and the TECA challenges on the exhibit floor. CITEA breakout sessions will be held at the Convention Center and the Renaissance.

The Renaissance will be the host hotel for the following functions: Welcome Gathering/Networking Event; CSL, CTTE, PATT, CC, and EPT programming; and the Teaching Technology and Engineering Showcase as well as numerous council, committee, and board meetings. The Renaissance will host the following meal functions: the International Luncheon, the CITEA Luncheon, FTEE Breakfast, EPT Breakfast, Program Excellence Breakfast, PATT Reception, and the ITEEA Awards Luncheon.

The Westin will be the host hotel for the following functions: EbD™ workshops, EbDLabs™; TECA Awards Dinner, and CITEA Banquet.

All conference programming on Saturday, March 17, will be held at the Renaissance and the Westin. There will be no programming at the Convention Center.

Reservations

INTERNET

Book with all four hotels directly online using the following weblink: www.iteea.org/Conference/Housing.htm

TELEPHONE all hotels directly, and be sure to identify yourself as attending the ITEEA conference to get the conference rates:

- **Renaissance:** (562) 437-5900
- **Westin:** (562) 436-3000
- **Hilton:** (562) 983-3400
- **Courtyard:** (562) 435-8511

Room Deposits/Cancellations/Changes/Taxes

All reservations must be accompanied by a first-night room deposit or guaranteed by a major credit card. Individuals are responsible for their own reservations, room, tax, and incidentals. Any reservation cancelled within 48 hours of arrival will be charged one night's room and tax. Early departure fees apply; be sure to check each hotel's website for complete information. Hotel taxes are currently 15.065% (as of August 1, 2011).

Photo Credit: Long Beach Convention and Visitors Bureau



ITEEA Conference Hotels

Renaissance Hotel

The Renaissance is located in the heart of the entertainment district and just steps away from trendy dining, sensational nightlife, and boutique shopping. Bold and fresh styling in all guest rooms, banquet spaces, and lobby, this downtown Long Beach hotel reflects a chic, casually elegant ambience, from plush beds and soft colors to marble bathroom counters and modern desk chairs. Hotel accommodations include an on-site fitness center, outdoor pool, and dining at La Trattoria, SIP lounge, and room service. The hotel has earned the prestigious ENERGY Star® label from the U.S. Environmental Protection Agency (EPA) for its efforts to conserve water and energy and to protect the environment. Self-parking is \$16/day overnight, \$20 valet.

ITEEA Rates: \$159 single/double; \$179 triple, \$199/quad
(150 ITEEA rooms available)

Westin Hotel

Located in the heart of downtown Long Beach, the hotel offers Westin's Heavenly Bed, Heavenly Bath, the Westin WORKOUT Gym, and heated outdoor pool. Rooms have coffeemakers serving Starbucks coffee, and the hotel offers a full-service restaurant and lobby bar as well as room service. Parking is \$17/day self-park; \$20/day for valet.

ITEEA Rates: \$159 single/double; \$184 triple; \$209 quad
(250 ITEEA rooms available)

Hilton Long Beach

Located five blocks from the Convention Center, the hotel offers Hilton's Suite Dreams Bed, outdoor pool, and fitness center. All rooms have coffeemakers, and the hotel has a lobby bar, full-service restaurant, and room service. Self-parking is \$15/day; valet is \$19.

ITEEA Rates: \$139 single/double; \$159 triple; \$179 quad
(100 ITEEA rooms available)

Courtyard by Marriott

Located four blocks from the Convention Center, the limited service Courtyard offers an outdoor swimming pool, in-room coffeemakers, and on-site restaurant serving breakfast. The hotel also has a small fitness center. Self-parking is \$10/day.

ITEEA Rates: \$129 single/double; \$139 triple, \$149 quad
(100 ITEEA rooms available)

The ITEEA rates are the lowest you will find at these properties, and these room blocks were set up for you—our attendees. If we do not fill the rooms we have contracted for, penalties are assessed to the association and, without your support, ITEEA faces financial penalties for unused sleeping rooms. Thank you in advance for booking your hotel room DIRECTLY with the official ITEEA hotels.

The room block cut-off date for all hotels is Friday, February 10, 2012. In order to ensure availability, please make your reservations by this important deadline.



Transportation

Flying into Long Beach is Flying “Plane” Easy

Air travel into Long Beach is easy and affordable, with competitive airfares from a choice of three major airports. Long Beach Airport (LGB) is the most convenient center for air travel, as it is located only six miles from the center of the city. Alternative area airports include bustling Los Angeles International Airport (LAX) and Orange County’s John Wayne Airport (SNA). These airports offer hundreds of flights into and out of the area and are only a quick 25 minutes from Long Beach.

In 2011, Long Beach Airport was named Most Affordable Airport in the United States by Cheapflights.com. Condé Nast Traveler (October 2008 issue) rated Long Beach Airport #7 out of the top 10 airports in the United States for business travelers and #1 for baggage handling.

Use airport code “LGB” when booking travel directly into Long Beach. The airport offers several daily flights on Alaska Air, Allegiant, Delta, JetBlue Airways, and US Airways.

Airport to downtown hotels

You can get to the downtown hotels via taxi or [Super Shuttle](#). See full transportation information on the ITEEA conference website under “Travel.” ITEEA’s online booking discounts are \$2 each way or \$4 round-trip..

Parking

Parking garage information is located on the ITEEA website at www.iteea.org/Conference/parking.map.pdf.

ITEEA has partnered with American Airlines to provide our attendees a 5% discount off ANY published airfare on www.aa.com for the 74th Annual Conference in Long Beach, CA. The valid travel dates for this discount are March 9 – March 21, 2012.

This discount is applicable for travel into Los Angeles (LAX), John Wayne (SNA), Ontario (ONT) and Burbank (BUR) airports.



You can easily access American’s fares and apply this discount by going to www.aa.com/group to book your flight. Place the **Promotion Code 9732BS** in the promotion code box, and your discount will be calculated automatically. This special discount is valid off any applicable published fares listed for American Airlines, American Eagle, and American Connection. Internationally originating guests will need to contact your local reservation number and refer to the Promotion Code.

You may also call 1-800-433-1790 to book your flights—please refer to the Promotion Code/Authorization Number **9732BS** when you call. Please note there is a reservation service charge for all tickets issued by phone. Please use our preferred partner, American Airlines, when you can because of the benefits provided to you as a traveler and also to ITEEA for extended partner value.



About Long Beach



Photo Credit: Destinations Magazine



Photo Credit: Long Beach Convention and Visitors Bureau

Long Beach offers the excitement and amenities of a big city alongside the relaxed atmosphere of a beachfront community and the warm welcome of a small town. It's called an urban waterfront playground because the compact, pedestrian-friendly downtown waterfront provides well-lit walkways with picturesque harbor and seaside vistas. Hotels, attractions, shopping, and nightlife are all within steps of the Convention Center. It's also affordable and easy to get to, with competitive airfares from a choice of three airports (Long Beach – 6 miles, LAX – 23 miles, John Wayne – 24 miles).

Within an eight-block area of downtown you will find more than 100 quality restaurants, serving cuisines from around the world and dozens of ethnic cultures, plus entertainment options where visitors and locals alike enjoy a vibrant, downtown setting. Walkscore.com places Long Beach at number 8 in its "Top 10 Most 'Walkable' Neighborhoods in America." Visitors find it easy to stroll between hotels, restaurants, and the Convention Center. And it's safe, as many residents live in the downtown "convention district."

Long Beach is also home to several signature attractions: the Queen Mary, Aquarium of the Pacific, Shoreline Village, and The Pike at Rainbow Harbor. Visitors will also discover Belmont Shore, Naples Island, Alamitos Bay, the East Village, 4th Street's Funky Retro Row, plus three fine museums (Long Beach Museum of Art, Museum of Latin American Art, and the Pacific Island Ethnic Art Museum), two historic Spanish-era ranchos, and dozens of unique neighborhoods.

You can learn much more about all there is to see and do in this great city at: www.visitlongbeach.com/iteea.



Photo Credit: Long Beach Convention and Visitors Bureau



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[†]Please note: Not all plans are available in all states.

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