

Spouse / Guest Activities

Spouses and guests should feel right at home during Conference week! You will find that a number of fun, family-oriented activities have been planned just for you. These include group tours to interesting wetlands on the Chesapeake Bay (see COPRI Tours, page 22), History & Heritage Tours to landmarks about which you have always read (see page 9), and enchanting tours such as the Candlelight Tour of Mount Vernon (see listings that follow). They also include opportunities to visit the National Building Museum for a variety of activities, including a private viewing of ASCE's highly-acclaimed 150th Anniversary Exhibit, demonstrations, and a Build-a-thon: Building Big™ in the Nation's Capital that could introduce budding Civil Engineers in your family to the excitement of the profession! (See page 28.)

For group tours, please check at the Registration Desk for space availability and registration.

If you are interested in tours not offered among the Conference group tours, please consult the Concierge onsite in the Convention Center for a full complement of additional tour possibilities.

MONDAY-TUESDAY-WEDNESDAY
8:00 AM - 10:00 AM • GRAND HYATT
VIA PACIFICA

Spouse/Guest Hospitality Suite

The Spouse/Guest Hospitality Suite invites registered spouses, guests, and family members to drop in each morning to start the day off right – with a Continental Breakfast and an opportunity to meet friends and acquaintances and plan daily activities.

Sponsored Monday & Tuesday by
Wilbur Smith Associates

Sponsored Wednesday by EBA Engineering, Inc.

SATURDAY, NOVEMBER 2

12:30 PM - 4:30 PM
COPRI Family Field Trip: Jug Bay Wetlands Sanctuary (See page 22.)

2:30 PM - 3:00 PM •
NATIONAL BUILDING MUSEUM
Family Activity: Demonstration Cart “Arches and Trusses: The Tension Builds”
 (See page 28.)

SUNDAY, NOVEMBER 3

10:00 AM - 11:00 AM •
NATIONAL BUILDING MUSEUM
150th Anniversary Exhibition Private Viewing: Me, Myself and Infrastructure: Private Lives and Public Works in America
 (See page 28.)

10:00 AM - 4:00 PM •
NATIONAL BUILDING MUSEUM
Build-a-thon: Building Big™ in the Nation's Capital (See page 28.)

1:00 PM - 4:00 PM
Spouse/Guest Tour: Manassas (Bull Run) Battlefield & Swedenburg Estate Vineyards

Two major Civil War battles were fought along Bull Run near the rail center at Manassas Junction, with great losses suffered by Federal and Confederate troops. Much of the terrain within the 5,000-acre Manassas National Battlefield Park still retains its wartime character. Explore Henry Hill, focus of heavy fighting at First Manassas. While a new farmhouse marks the site of the war-time farm, the unfinished railroad, scene of much of the fighting at Second Manassas, still runs through the woods north of Warrenton Turnpike, and the Stone House – the one-time aid station – still stands.

Travel on to picturesque Swedenburg Estate Vineyard. Tour the wine cellars and sample the Continental-style Virginia spirits produced by the Swedenburg family: Cabernet Sauvignon, Pinot Noir, Chardonnay, Riesling, and Seyval.

Cost per person: \$40. (Includes transportation, guide & admission fees.)

2:30 PM - 3:00 PM
NATIONAL BUILDING MUSEUM
Family Activity: Demonstration Cart “Arches and Trusses: The Tension Builds”
 (See page 28.)

3:30 PM - 6:00 PM • 800 F ST., N.W.
International Spy Museum Tour
 (See page 29.)

6:30 PM - 8:30 PM
Spouse/Guest Tour: Candlelight Tour of Mount Vernon

Tonight you will travel from the bustle of Washington along the Potomac River to the relaxed setting at the home of our nation's first President. Enjoy a private tour of the mansion, including a tour of the rarely seen third floor and a memorable guided stroll through the estate's lantern-lit grounds. Washington acquired Mount Vernon in 1754 and expanded it over the next 45 years to

reflect his status as a Virginia gentleman. He personally oversaw every detail of design, construction, and decoration – even while away at war. Each room has been meticulously restored based on a 1799 inventory and features original objects used by the Washington Family. Breathtaking views of the Potomac at dusk and 18th-century costumed re-enactors will add to your evening's enchantment.

Cost per person: \$75. (Includes transportation, guide & admission fees.)

MONDAY, NOVEMBER 4

10:00 AM - 4:00 PM
Spouse/Guest Tour: George Washington's Virginia

Enjoy a walking horticultural tour of the Mount Vernon Estate that is led by an historical interpreter. Learn about Washington's green thumb and the design and planning that he put into his plantation. You will have time on your own to tour the mansion and surrounding service buildings to view examples of Washington's brilliance as architect, surveyor, and gentleman farmer. Be sure to peruse the Washington Family museum, where incredible personal effects of George and Martha Washington are on display.

Afterward, enjoy a driving tour of Alexandria, VA, where Washington as a young surveyor plotted the original lots for the city in 1749. The once bustling seaport of Alexandria was Washington's lifeline to news from abroad. Enjoy lunch at Gadsby's Tavern, founded in 1770. It was once the mecca for the public figures who established the nation's capital and city of Washington.

Cost per person: \$103. (Includes transportation, guide, admissions & lunch. Maximum of 100 persons. Minimum of 40.)

12:30 PM - 1:45 PM
CONVENTION CENTER HALL C
Exposition Hall Lunch

Tickets included in Spouse/Guest Registrations.

5:30 PM - 7:30 PM
CONVENTION CENTER HALL C
ASCE's 150th Anniversary Reception (See page 9.)

Tickets included in Spouse/Guest Registrations.

Sponsored by
Marsh Affinity Group Services,
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Continued on next page.

Spouse / Guest Activities

8:00 PM - 11:00 PM

Spouse/Guest Tour: Washington After Dark

Enjoy the sights of Washington in the most enchanting and memorable way: by evening light! Discover fascinating facts about the illuminated monuments and national landmarks. Pass such notable sights as the White House, US Capitol, Supreme Court, Library of Congress, Old Post Office Building, and Washington Monument. Stop at the Lincoln, Korean War Veterans, and Vietnam Veterans Memorials, and at the National Mall's newest monument, the Franklin Delano Roosevelt Memorial. Cross the river for a short stop at the Iwo Jima Memorial and a breathtaking view of the DC skyline. Inside your coach, you will enjoy a hot beverage and biscotti cookies en route.

Cost per person: \$44 (Includes transportation, guide, food & beverage. Minimum of 40 persons.)



TUESDAY, NOVEMBER 5

1:00 PM - 5:00 PM

COPRI Family Canoe Trip: Smithsonian Environmental Research Center (SERC) (See page 22.)

WEDNESDAY, NOVEMBER 6

12 NOON - 2:00 PM

RENAISSANCE HOTEL GRAND BALLROOM

ASCE Honorary Members' Luncheon

Tickets included in Spouse/Guest Registrations.

Sponsored by The Clark Construction Group, Inc.

12 NOON - 4:00 PM

Spouse/Guest Tour: Law & Order

Travel down Pennsylvania Avenue, past the J. Edgar Hoover FBI Building, Department of Justice, and Law Enforcement Memorial, to the US Capitol, where you will tour public areas of the magnificent building in which Senators and Representatives legislate US policy. Continue to the Supreme Court, home to the judicial branch of government. On the ground floor, visitors can view changing exhibits that depict the history of the country's highest court. Stop at the Library of Congress, the world's largest library and guardian of one of the world's three perfect vellum copies of the Gutenberg Bible. Also on display is a rotating exhibit of the Library's rare and unique items. Before leaving Capitol Hill, you will pass by the House and Senate Office Buildings and make a final stop at the Jefferson Memorial.

Cost per person: \$25 (Includes transportation, guide & refreshments. Maximum of 80 persons. Minimum of 40.)

7:00 PM - 10:00 PM

CONVENTION CENTER HALL C

ASCE's 150th Anniversary

Gala Banquet (See page 9.)

Tickets included in Spouse/Guest Registrations.

*Tour space is limited.
Please check at the
Registration Desk for space
availability. Tours leave from
the Main Entrance of the
Convention Center.*

TECHNICAL PROGRAM

18 special-interest tracks designed especially to help you in Building a Better World!

AEROSPACE

Build a better future – in space as well as here on Earth! The Aerospace track offers two sessions. Get an update on the exploration of Mars; planning, construction and operation of the International Space Station; and commercialization of space. The second session will include a presentation on the future of humans on the Moon, as well as talks on soil mechanics in extraterrestrial environments, and new materials and construction technology for space applications.

CERF/IEEC FUTURE ISSUES & INNOVATIONS

CERF/IEEC (Civil Engineering Research Foundation/International Institute for Energy Conservation) is a global, not-for-profit organization created by ASCE to focus on constructing an efficient and renewable future. Toward that goal, this track offers sessions on the way we do business globally, changing our approach to design and construction, understanding new security-related legal and financial implications, and charting the technological future of the construction industry.

COASTAL

Our Coastal session features presentations on what you need to know about Coastal Engineering, whether you're a coastal engineer or not. Speakers will cover basic coastal engineering, applied solutions to harbor and coastal problems, and sustainable urban shorelines.

COMPUTING & INFORMATION TECHNOLOGY

Be on hand as a panel of international experts discusses the role of information technology in globalization of the AEC market and global construction practices. Learn about the Long-Term Pavement Performance program conducted by SHRP and the Federal Highway Administration. Take part in a discussion of what computing skills should be taught in Civil Engineering programs. Learn from experts about IT applications in reducing infrastructure vulnerability, and about countering cyber-terrorism.

CONSTRUCTION

Take part in sessions on innovative construction technologies and alternative construction methods. Find out how contractors were selected for renovations at the Pentagon. Learn about construction management practices being used in the expansion of Dulles International Airport and on construction of the new Wilson Bridge. Focus on construction issues on unique projects such as the new Springfield, VA, highway interchange. Hear about the challenges of Boston's Big Dig and about ISO 9001:2000, the new international standard for quality in construction.

DISASTER REDUCTION

Learn about Organization and Management of a Super-Chaotic Scene from representatives of the organizations that mobilized and dug into the rubble at the World Trade Center. Find out about mitigation of the effects of windstorms, earthquakes, and urban hazards. Attend a workshop by US and Japanese engineers on super-advanced technologies for dealing with the next seismic event. Hear about innovative research from the NSF Earthquake Engineering Research Center and hear the latest from FEMA about its hazard mitigation grant program. Join the search for answers to property insurance issues involving earthquakes, wind, and floods.

EDUCATION

Is the education of future Civil Engineers and CE Technologists important to you? How should the Civil Engineering curriculum be revised to meet the challenges facing the profession? What should be the future academic requirements for the practice of Civil Engineering? What is "good teaching"? How can/should practitioners get involved in education? Who is responsible for training the next generation? Answers to these and other questions about Civil Engineering and Civil Engineering Technology education will be discussed in this track.

ENVIRONMENTAL AND WATER RESOURCES

This track provides a wealth of information on water and environmental challenges and solutions ranging from global water and environmental issues to local water management problems, from planning concepts for identifying problems to computer models for solving them, from academic to governmental agency perspectives. In celebrating the Society's 150th Anniversary, many of the sessions have an historical emphasis, but there is also ample food for thought on the challenges of the future and the role Civil Engineers will play in addressing them.

FORENSICS

Learn about past mishaps, their causes, and methods of prevention. One session, "Cranes, Planes & Automobiles," includes a look into what happened with the TWA Flight 800 disaster. Find out how to diagnose, repair, and protect parking structures. Review the history of the Forensic tradition in the engineering profession, and hear three lectures on ethics issues. Take part in a session on how management maintenance programs can reduce potential failures in historic facilities.

GEOTECHNICAL

Get the low-down on the reconstruction of one of the busiest stretches of highway in the United States – the I-95 Woodrow Wilson Bridge linking Maryland and Virginia. Study the foundations of national monuments and the history of below-ground construction, including the foundation of the World Trade Center. Examine sustainable development, the use of Geographic Information Systems, and the special challenges urban environments pose for geotechnical engineers. In addition, obtain insights on Load & Resistance Design Concepts and future plans for codes.

GLOBAL

Where are the most exciting bridges being built today? What types of sustainable infrastructure are needed in Africa? What lessons can be learned from the 1995 Kobe earthquake? Learn about these and much more in Global track sessions. Hear about advanced technologies for dealing with the next seismic events, and find out about restructuring existing data for better decision-making in state and local infrastructure networks.

GOVERNMENT RELATIONS & COMMUNICATIONS

Discover the many benefits of effective communications, from meeting with your legislator, to being a reliable source when the media calls. Explore the Civil Engineer's role in communicating with the public in crisis situations. Hear how Civil Engineers serve as elected or appointed officials at Federal, state, and local levels of government. Finally, hear from policy leaders about reauthorization of the nation's surface transportation program, the major legislative challenge for Civil Engineers in 2003.

HISTORY & HERITAGE

In this 150 Anniversary year, the History & Heritage track examines the birth of American Civil Engineering, the founding of ASCE, and the life of Benjamin Wright, the father of Civil Engineering in the United States. Learn about the development of Civil Engineering education, creation of the nation's historic water supply systems, and our transportation systems. Participants will also examine case studies of preservation efforts on the US Capitol, the Monocacy Aqueduct, and the Inca ruins of Machu Picchu in Peru.

MATERIALS

What's new in the use of Fiber-Reinforced Polymers? The Materials track examines ACI code activity on the use of FRP for construction with concrete, as well as the research and development of FRP composites for bridge infrastructure. An entire session is set aside for examining innovative materials for bridges. Another evaluates super-pave materials and looks at construction of bituminous pavements using superpave in the Washington, DC area.

PROFESSIONAL PRACTICE SUPERTRACK

Professional skills involve more than just technical engineering knowledge. Presented in a special integrated format, the Professional Practices SuperTrack will be keynoted in a mini-plenary featuring a presentation on "The Changing Role of the Civil Engineer in Society," followed by a blue-ribbon panel dissecting and discussing the issues raised. Is Civil Engineering becoming a commodity instead of a profession? What's happened to traditional concepts about professionalism? What does the future hold? And how can we create the future we want for our profession? Wrapped around the plenary session are 18 additional sessions focused on personal and professional development and practice issues, such as management, leadership, communications, diversity, ethics, career management, human resources, employment practices, peer review, partnering, negotiating, and licensure, to help you improve your skills and knowledge in these crucial areas.

STRUCTURES

Since 1901, the National Institute of Standards and Technology (formerly the National Bureau of Standards) has worked with industry to develop and apply technology, measurements, and standards. Hear an overview of its major accomplishments and future plans. Listen and take part in a discussion on research needs for effective building code provisions from a materials perspective. Learn how to take a life-cycle view of facilities for the aging. One session covers the past, present, and future of reliability-based structural engineering around the world. Another tackles the issue of whether structural engineers should be licensed separately, as they are now in 11 states.

SUSTAINABLE DEVELOPMENT

Using case studies, industry leaders will offer insights into how suppliers, designers, and contractors can gain market share through leadership in sustainable engineering practices. Learn how the Federal government and its contracting agencies implement sustainable planning, design, construction, and operations, with a special look at "green" value engineering at Zion National Park. Panelists from Georgia Tech and Virginia Tech will describe how sustainability and sustainable development are being taught in their Civil Engineering programs. The Sustainable Materials session explores use of recycled materials in highway construction, sustainable architecture in stone, and blended cement as a climate change strategy.

TRANSPORTATION

The Transportation track examines highway safety issues of the past, present and future. It covers the topic of accommodating pedestrians with walkways, and offers ideas on making bicycling a safer, more integral part of the commuting experience. Attend a presentation on using smart growth in urban redevelopment, focusing on the award-winning Stapleton Redevelopment Project in Denver as an example of what can be done. Visit a session that discusses the latest research and recommendations on pavement design for low-volume roads. Hear about New York City's 63rd Street Subway Program – a \$645 million project completed with quality, on schedule, and within budget. Listen and participate in a panel discussion on the reconstruction of the Ronald Reagan Washington National Airport – lessons learned from a major construction project by those responsible for its success. Visit a session on how FHWA is increasing awareness of safety in roadway design, and get a preview of newly-developed IHSDM software that evaluates the safety features in roadway design projects.