

Hotel Information



West Palm Beach Marriott
1001 Okeechobee Blvd.
West Palm Beach, FL 33401

A favorite among West Palm Beach hotels, the Marriott offers unparalleled access to the destination's most popular attractions. Situated near CityPlace, Kravis Center for Performing Arts, Cruzan Amphitheatre, Downtown, Palm Beach County Convention Center and Palm Beach International Airport, the upscale West Palm Beach Marriott appeals to leisure and business travelers.



Hilton Palm Beach Airport
150 Australian Avenue
West Palm Beach, FL 33406

The Hilton Palm Beach Airport hotel is conveniently located adjacent to the Palm Beach International Airport and is accessible via I-95 and Southern Boulevard. Downtown West Palm Beach, the Convention Center, and beautiful sandy beaches are all just a short drive from the hotel.

West Palm Beach, Florida

With sunny skies, nearly perfect year-round weather and a range of outdoor and cultural attractions, West Palm Beach presents the ideal setting for a weekend escape. Enjoy a game of golf at a number of pristine local courses or hit the beach for a day of tanning and catching up on your reading. See African chimps and endangered species like the Southern White rhinoceros wander free in a natural habitat at the Lion Country Safari. You could spend an entire day on Peanut Island, a popular tourist attraction that houses a bunker built for President John F. Kennedy during the Cold War. The island includes the bunker, a museum and plenty of picnic areas, plus biking and walking paths. The ferry ride to the island cruises past the opulent mansions of the city's wealthy residents. For those who prefer indoor activities, the Norton Museum boasts an exceptional collection of American, Chinese and European art. Famous performers appear at "The Harriet" and at the Kravis Center. Of course there's always shopping, the city's other favorite pastime. From designer boutiques to big name department stores, West Palm has it all.

Conference Organizing Committee

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Software/Hardware/Field Demonstrations Chair

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Exhibit Chair

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Logistics/Field Trips/Local Arrangements Chair

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1801 Alexander Bell Drive
Reston, VA 20191



GeoFlorida

Advances in Analysis, Modeling & Design

2010

February 20 - 24, 2010
West Palm Beach, Florida, USA

Call for

- » Abstracts
- » Sessions
- » Short Courses & Workshops
- » Panel Discussions

Submission Deadline

April 17, 2009

WWW.GEOCONGRESS.ORG



GeoFlorida

Advances in Analysis, Modeling & Design

2010

February 20-24, 2010 West Palm Beach, Florida, USA

About the Conference

GeoFlorida 2010, the annual geo-congress of the Geo-Institute of ASCE, will present a broad perspective on new developments in geotechnical engineering analysis, modeling and design. Technical topics will crosscut all areas of the profession, including constitutive modeling of soil and rock, site assessment and characterization, computational modeling, stability analysis, geoenvironmental engineering, mitigation of geohazards, earthquake engineering, LRFD methods, alternative contracting for geotechnical projects, and case histories. GeoFlorida 2010 will provide practitioners, consultants, researchers, educators, and students with opportunities to share new knowledge and to learn about innovative advances and emerging technologies that are at the leading edge of current geotechnical analysis, modeling and design. GeoFlorida 2010 will offer technical sessions, plenary lectures, panel discussions, short courses, workshops and the annual student competition. The conference will also include an extensive Exhibit Hall and post-conference field trips.

Overview of Technical Program

In the past 10-15 years, there has been considerable progress in the modeling of fundamental soil behavior and the analysis of geotechnical problems. Additionally, there are important trends in place concerning design practices, such as the use of Load and Resistance Factor Design (LRFD) for transportation infrastructure and a greater need to understand and quantify risk. GeoFlorida 2010 will have a strong focus on these advances in understanding and modeling soil behavior and the solution of practical problems. We are soliciting proposals for sessions, short courses, demonstrations and workshops dealing with topics related to these broad themes. Geo-Institute technical committees, individuals, and other government, industry, and academic organizations at the state, national and international levels are invited to submit their proposals.

Abstracts and proposals should address topics of direct interest to consulting engineers, researchers and scientists as well as general specialty contractors, owners, educators, regulators, policy makers, and students. GeoFlorida 2010 will provide a diverse range of activities for conference participants, including presentation of technical papers, panel discussions, a student paper competition, software demonstrations, exhibits and field trips. The conference will also offer opportunities to attend short courses, networking events and a student program.

Proposals and paper abstracts addressing topics fitting the following themes are encouraged:

Modeling of Geotechnical Materials (examples of topics: micromechanical and nano-level modeling of geomaterials, characterization of recycled materials, characterization of problematic soils, material testing, constitutive modeling)

In Situ Testing and Site Characterization (examples of topics: nondestructive testing and assessment technologies, subsurface characterization and monitoring, visualization of the subsurface, imaging applications, advanced in situ testing, applications of geophysics, cone penetration testing)

Advances in Geotechnical Analysis, Computational Geotechnics and Software (examples of topics: computational analysis, finite element analysis, stability analysis, soil-structure interaction, soil dynamics, flow through porous media, unsaturated flow and coupled processes, rock mechanics, benchmark problems, advanced software and software demonstrations)

Reliability Analysis, LRFD and Risk Assessment (examples of topics: advances in risk assessment, practical reliability-based methods and LRFD, applications of risk analysis, random field representation of soil deposits)

Mitigation of Geohazards (examples of topics: earthquake engineering, landslides, settlement and ground collapse, rock engineering, problematic soils, ground improvement)

Geotechnical Applications and Design (examples of topics: dam and levee design and construction, foundations, retaining walls, reinforced soil, landfills, pavements, excavations, tunnels and underground space, sustainable design and construction, alternative contracting issues for geotechnical projects)

Representative topics within these themes include:

- » Material testing, characterization and modeling (soil, rock, geosynthetics, waste materials)
- » Constitutive modeling
- » Site characterization and in-situ testing and monitoring
- » Nondestructive assessment methods
- » Computational modeling
- » Finite element analysis
- » Stability analysis
- » Reliability-based methods and LRFD
- » Geotechnical analysis and design
- » Soil dynamics and earthquake engineering
- » Rock mechanics and geological engineering
- » Granular pavement systems
- » Geohazard mitigation
- » Applications of geosynthetics
- » Geoenvironmental engineering
- » Sustainable design
- » Case histories

In addition to a number of invited keynote lectures, GeoFlorida 2010 will feature the annual Terzaghi and Peck Lectures. Interested individuals and organizations are encouraged to submit a tour or a workshop proposal.

Call For Abstracts And Proposals

Abstracts

We look forward to receiving your 200-300 word abstract on any topic relevant to the conference. Upon acceptance of abstracts, authors are required to submit their paper according to the guidelines for Geotechnical Special Publications (GSP) available at www.GeoInstitute.org/files/pdf/GSPrevised8-12.pdf. Papers will be peer-reviewed and produced as proceedings for distribution to registrants and available to the community at large through ASCE Press.

Session Proposals

Session proposals are limited to 2 pages and must include: (a) Sponsoring committee(s)/organization(s), (b) Primary session contact, and (c) Tentative list of authors and paper titles. Upon acceptance of the session, the organizing committee will assign manuscripts to the section. The assigned manuscripts will be reviewed according to the GSP publication policy.

Workshop Proposals

A 2-page proposal must include: (a) Workshop title and outline, (b) Workshop objectives, (c) Learning outcomes and participation topics, (d) Presenters' names and qualifications, (e) Summary of available materials for participants, and (f) Content reflecting the themes of the conference. Workshops should be limited to six hours.

Panel Discussion Proposals

A 2-page proposal must include: (a) Panel discussion title, (b) Rationale for discussion, and (c) List of participating proponents and opponents. Discussion topics should be timely and appeal to a broad audience.

Short Course Proposals

A 2-page proposal must include: (a) Course presentation date, (b) Course title and outline, (c) Course length (up to six hours), (d) Course objectives, (e) Names and qualifications of instructors, and (f) Summary of handouts. Short course materials should be state-of-the-art and directly relevant to geotechnical engineering analysis, modeling and design for practitioners and educators.

Hardware/Software Demonstration Proposals

A 2-page proposal must include: (a) Demonstration title and outline, (b) Product/system summary, (c) Length of demonstration, (d) Learning outcome for attendees, and (e) Tentative demonstration dates.

Technical program questions?

Contact Rodrigo Salgado (rodrigo@ecn.purdue.edu) or Patrick Fox (fox.407@osu.edu)

Conference questions?

Contact Stacey Gardiner, Conference Director (stacey.gardiner@tggroup.com)

Submittal Process And Deadlines

Individual abstracts must be uploaded to the GeoFlorida 2010 web site at www.geocongress.org by April 17, 2009. The names and contact information of all authors must be provided.

The proposals for technical sessions, short courses, workshops, panel discussions, and hardware/software demonstrations must be uploaded to the GeoCongress 2010 web site at www.geocongress.org by April 17, 2009. The names and contact information of the proposers must be provided.

The Organizing Committee will review the various proposals and provide feedback by May 8, 2009. In the case of approved technical sessions, the proposers can make the necessary announcements to solicit abstracts and coordinate the abstract submission to the conference website by April 17, 2009.

All papers will undergo peer review per G-I/ASCE publication policies and will be published in a Conference Proceedings. Final papers should be 6 to 8 pages in length. Key dates in the paper submission and review process are:

- » Technical Session Proposals, Various Other Proposals and Abstracts Due: **April 17, 2009**
- » Notification of Acceptance of Proposals and Abstracts: **May 8, 2009**
- » Draft Papers Due: **July 15, 2009**
- » Review Decision on Draft Papers: **September 23, 2009**
- » Final Papers Due: **October 28, 2009**

ASCE or Geo-Institute membership is not required for submission. Authors whose abstracts and draft papers are selected should submit a final paper along with the paper deposit fee that will be credited towards the conference registration. All papers accepted for the conference constitute agreement that the author(s) pay a paper deposit when the final paper is accepted on October 28, 2009, and will register for the conference at the appropriate fee(s), attend the conference, and make their presentations in person.

Expenses

All expenses associated with the preparation, submission and presentation of abstracts and papers are the responsibility of the authors and co-authors. This includes camera-ready manuscripts and illustrations. Scholarship and/or travel funds are not available for conference attendees. All attendees are required to pay conference registration fees.

