

Geotechnical and Materials Engineers Conference (GMEC)

April 14–16, 2027 | DoubleTree by Hilton Orlando

2027 Call for Presentations

Deadline for Proposals:
December 16, 2026

acecfl.org/events/GMEC

850-224-7121

Submit a Proposal

The American Council of Engineering Companies of Florida (ACEC Florida) invites engineering professionals, researchers, and industry leaders to share their expertise, insights, and innovations at the 2027 GMEC Conference, taking place at the **DoubleTree by Hilton Orlando Theme Park Resort** on **April 14-16, 2027**.

About GMEC

The Geotechnical and Materials Engineers Conference (GMEC) is the only conference in the Sunshine State dedicated exclusively to geotechnical and materials engineering – the discipline that provides the science, testing and quality assurance that form the foundation of successful construction projects. These services support informed design decisions, manage construction risks and help build safe, resilient infrastructure. The annual conference brings together more than 150 professionals from engineering, related industries, and government to explore current challenges, innovative solutions and emerging trends shaping the field. Technical presentations, panel discussions and networking opportunities provide attendees with an unparalleled opportunity to exchange knowledge, share insights, and engage with peers on today's most pressing issues and emerging trends.



Presentation Categories

Proposals must select the category that best represents their presentation.

Advancing Engineering Practices

Explore cutting-edge research, practices and applications that address the ever-evolving challenges facing the infrastructure community.

- Pavement Design
- Soil Mechanics
- Testing Methodologies
- Materials Performance



Emerging Technologies

Examine new technologies, analytical tools, materials, and digital approaches with the potential to transform how infrastructure is designed, constructed, tested, and maintained.

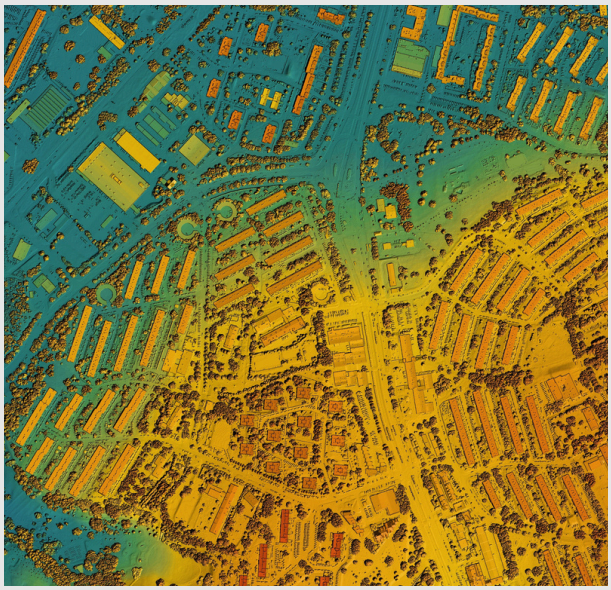
- Artificial Intelligence
- Modeling Tools
- Automation
- Sensing and Monitoring
- Data-Driven Decision-Making



Technology Integration

Explore practical strategies for successfully integrating emerging technologies into operations and organizational practices to enhance performance, improve efficiency and deliver measurable value.

- Acceptance and Adoption
- Change Management
- Workflow Integration
- Digital Transformation
- Data Management
- Return on Investment



Navigating Complexity

Explore strategies for addressing the regulatory, financial, environmental and operational challenges that influence project planning, design, and delivery.

- Resiliency
- Sustainability
- Stakeholder Engagement
- Regulatory Compliance
- Permitting
- Funding



Project Case Studies

Share real-world experiences, design challenges, innovative solutions and lessons learned that can inform engineers on future projects.

- Unexpected Challenges
- Project Setbacks and Successes
- Field Performance



Innovative Business Practices

Examine new approaches to delivering engineering services that manage risk, improve outcomes, strengthen financial performance and create lasting value for clients and communities.

- Innovative Business Models
- Alternative Delivery Methods



People and Partnerships

Highlight strategies for building high-performing teams and fostering collaboration to drive innovation and expand opportunities for business growth.

- Interdisciplinary Collaboration
- Workforce Development
- Talent Attraction and Retention
- Knowledge Transfer
- Leadership Development
- Mentoring



Types of Sessions

Proposals may be submitted in one of the following formats:

Presentation

An in-depth technical presentation on a single issue, topic, project or subject area delivered by one or more presenters (50-60 minutes, including audience Q&A).

Panel Discussion

An interactive discussion featuring up to three panelists and a moderator who bring diverse perspectives and expertise to a shared topic (60-75 minutes, including audience Q&A).

Proposal and Submission Requirements

All proposals must be submitted through the **official online submission form** and include the following:

- Title: Up to ten (10) words
- Session Type: presentation or panel discussion
- Category: Select the category that best aligns with the proposed session
- Topic: Select a specific topic for the proposed session
- Learning Objective(s): Up to 100 words
- Session Description: Up to 500 words
- Presenter or Panelist Biographies: Up to 50 words per person. The first sentence must include each individual's current name, job title, and employer.
- Contact information

ACEC Florida may edit the titles and session descriptions of accepted presentations for marketing purposes.

Learning Objectives

Each proposal must include one or more clearly defined learning objectives. Learning objectives should describe the specific knowledge, skills, strategies, behaviors or perspectives participants will gain from the session. Learning objectives should be specific, measurable, and focused on meaningful takeaways that attendees can apply to their professional practice

Selection

The ACEC Florida Geotechnical and Materials Engineers Committee, comprised of engineers, will evaluate proposals based on these criteria:

- **Clarity and quality of session description**
- **Clearly defined, measurable learning objectives**
- **Relevance to high-demand subject areas**
- **Introduction to new concepts or fresh points of view**
- **Demonstrated improvements to existing practices or processes**
- **Representation of underrepresented projects, perspectives, or disciplines**
- **Overall relevance and timeliness**

Accepted Presentations

Proposal acceptance decisions will be announced in **January 2027**.

Accepted presenters will be eligible for a discounted conference registration rate. Presenters are responsible for their own travel and accommodations, as well as completing registration and submitting all required materials by the published deadlines.

Submit your proposal by December 16, 2026, to be part of the conversation shaping the future of geotechnical and materials engineering.

Larry Madrid GMEC Award

The Larry Madrid GMEC Award honors the legacy of Larry Madrid, an active member for more than 12 years who served on the Transportation Committee and as GMEC Chair. Following his passing in June 2021, the award was established to recognize his lasting contributions to the engineering profession.

Nominations are invited for individuals whose service has made a significant, positive impact on the geotechnical and materials engineering profession.

The Larry Madrid GMEC Award recipient will be recognized at the 2027 GMEC Conference.

