

PRELIMINARY PROGRAM



GEO-CONGRESS 2024

Vancouver, British Columbia, February 25–28, 2024

*Bridging Government, Industry, and Academia for
Resilient Mega-Communities*



www.geocongress.org

Registration Opening Soon!

Schedule at a Glance *(Subject to change)*

Sunday, February 25

- 8:00 a.m. – 5:00 p.m. Short Courses
1:00 – 6:00 p.m. Exhibitor Setup
2:00 – 2:30 p.m. G-I Student Orientation
2:30 – 3:30 p.m. G-I Student Professional Development Workshop
3:30 – 4:00 p.m. G-I Geo-Wall Captains Meeting
4:00 – 5:00 p.m. AGP Induction Ceremony
5:00 – 6:30 p.m. Opening Remarks & H. Bolton Seed Award Lecture
6:30 – 8:00 p.m. Opening Reception
8:00 – 9:30 p.m. Happy Hour presented by the Outreach and Engagement Committee

Monday, February 26

- 8:00 – 10:00 a.m. Welcome, conference opening, and Geo-PIT talks
9:30 a.m. – 4:00 p.m. Academic Showcase
10:00 a.m. – 10:30 a.m. Morning Networking Break in Exhibit Hall
10:00 a.m. – 3:00 p.m. Student Competitions
10:30 a.m. – 12:00 p.m. Technical Sessions
12:00 – 1:00 p.m. Lunch in Exhibit Hall
1:00 – 2:30 p.m. Technical Sessions
2:30 – 4:30 p.m. Poster Session in Exhibit Hall
5:00 – 6:30 p.m. Shamsheer Prakash Lecture
6:30 – 7:30 p.m. G-I Student Program: Organizational Members & Student Travel Grant Winners Job Fair
6:30 – 9:00 p.m. Offsite Event – TBA
7:30 – 8:30 p.m. G-I Student Program: Organizational Member & Student Reception

Tuesday, February 27

- 8:00 – 10:00 a.m. Plenary session, Geo-PIT talks, Student Competition Awards
10:00 – 10:30 a.m. Morning Networking Break in Exhibit Hall
10:30 a.m. – 12:00 p.m. Technical Sessions
12:00 – 1:00 p.m. Lunch in Exhibit Hall
1:00 – 2:30 p.m. Technical Sessions
2:30 – 4:30 p.m. Poster Session in Exhibit Hall
5:30 – 7:00 p.m. Awards Presentation & Karl Terzaghi Award Lecture

Wednesday, February 28

- 8:00 – 10:00 a.m. Plenary session, Geo-PIT talks
10:00 – 10:30 a.m. Morning Networking Break in Exhibit Hall
10:30 a.m. – 12:00 p.m. Technical Sessions
12:00 – 1:00 p.m. Lunch in Exhibit Hall
1:00 – 2:30 p.m. Ralph B. Peck Award Lecture
1:30 – 6:00 p.m. Exhibitor Move Out
2:30 – 3:00 p.m. Closing Ceremony

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Invitation from the Conference Chair

Dear Esteemed Colleagues and Friends,

I am thrilled to extend a warm welcome to you all for Geo-Congress 2024, —an extraordinary milestone in the history of our conference. For the first time, we have ventured beyond U.S. borders to the captivating city of Vancouver, BC, to embark on a journey of profound significance with a theme that underscores the urgency and significance of uniting Government, Industry, and Academia to create resilient mega-communities.

In an era marked by rapid urbanization, climate change, and increasing population density, the resilience of our mega-communities has never been more critical. The theme of Geo-Congress 2024, “Bridging Government, Industry, and Academia for Resilient Mega-Communities,” directly addresses these pressing challenges of our geo-profession. It calls upon us to harness the collective expertise of these three essential pillars to develop innovative solutions that can withstand and adapt to the evolving landscape of our world.

Vancouver, renowned for its breathtaking natural beauty and diverse cultural heritage, serves as the perfect backdrop for our discussions. This city embodies the principles we hold dear—balancing urban development with the preservation of natural environments—a balance we, as geotechnical engineers, constantly strive to achieve.

Geo-Congress 2024 offers a comprehensive program, encompassing a wide spectrum of topics. Our agenda features meticulously curated special sessions, technical and poster sessions, award lectures, and short courses that showcase the latest research, innovative practices, and practical insights from thought leaders and experts worldwide.

Geo-Congress 2024 is not just a conference; it's an opportunity for us to shape the future of geo-profession, forge lasting connections, and contribute to a resilient tomorrow. It's an opportunity to be part of a transformative movement that seeks to build resilient mega-communities for generations to come. As we gather in this iconic city, let's carry with us the confidence that we are at the forefront of change.

Prepare to be inspired, to network with the best minds in our field, and to leave with a renewed sense of purpose.

I extend my heartfelt appreciation to our sponsors, exhibitors, and the dedicated members of the organizing committee for their tireless efforts. Their unwavering support and commitment have been instrumental in making first international Geo-Congress a reality.

I eagerly anticipate the enlightening discussions, shared insights, enduring connections, and memorable moments that will emerge from our time together in Vancouver, BC.

Together, let's make Geo-Congress 2024 an unforgettable journey and “the Geo-Congress” to remember.

Warm regards,



Conference Chair
Menzer Pehlivan, Ph.D., P.E., M.ASCE

Program Committee

Conference Chair:

Menzer Pehlivan, Ph.D., P.E., M.ASCE

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Katerina Ziotopoulou, Ph.D., P.E., M.ASCE

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Proceedings Co-Editor:

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Local Chapter Liaison:

Andrea Lougheed, M.Sc. (Eng.), P.Eng.

Local Chapter Liaison:

Susan W. Chang, Ph.D., P.E., M.ASCE

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Tatiana Vlasova, Digital Content and Program Manager

Barbara Curtis, Senior Manager, Media and Event Sales



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Academic Showcase

If you are a representative of an academic institution you will want to take advantage of this opportunity to have a tabletop display in the Student Competition area on Monday, February 26. Your exhibit fee includes one full conference registration at a 50 percent discount. It's a great way to recruit students, get out general information about your institution, and interact with partners. There are only 20 spaces available, so reserve yours today!

Sponsor & Exhibitor Opportunities

Why Should You Exhibit or Sponsor at Geo-Congress 2024?

- Reach more prospects in three days than your sales team can reach in three months. Build your brand and increase awareness of your products and services. Meet with key clients and business partners.
- An excellent technical program in a rapidly growing field will draw key people from nations around the world such as China, India, Brazil, Japan, Australia, and many others.
- The products and services you exhibit are part of the conference focus. Your expertise is valued by conference participants.
- Nearly 7 hours worth of dedicated networking events will take place in the Exhibit Hall during the conference to provide you with more exposure to potential clients than your sales team can reach in months.
- Build your brand and increase customer awareness of the products and solutions you have to offer.
- Build your customer relationships; meet with key clients and business partners.
- Keep up on industry trends, gather competitive intelligence, and make competitive comparisons.

Who Should Exhibit?

- Geotechnical and environmental consultants and engineers
- Software developers of hazard, uncertainty, and probability modelers
- Foundation, ground improvement, earth retention, and environmental remediation contractors
- Geohazard, geotechnical, and safety organizations
- Manufacturers of foundation, soil retaining, and slope stabilization equipment; instrumentation, insitu testing, drainage products, and concrete repair products

Target Audience

This conference will bring together engineers, planners, industry representatives, citizen groups, developers, public officials, and others such as the following:

- Geotechnical scientists and engineers from consulting and academia
- Geoenvironmental specialists
- Owners from municipalities, government agencies, companies, military personnel, and the private sector
- Developers and planners for buildings, municipalities, and commercial and private properties
- University educators
- Manufacturers of products for slope stabilization, retaining walls, and foundations
- Construction contractors specializing in projects involving geohazards

For more information, visit the conference website at www.geocongress.org, or contact Barbara Curtis, senior manager, Event and Media Sales at bcurtis@asce.org or (703) 295-6286.

Geo-PIT

Geo-PIT (Powerful, Informative Talks)

What will you remember from this Geo-Congress? We hope that one thing you'll remember are the

brief but powerful informative talks that your colleagues will deliver to start your day at Geo-Congress 2024. Join us at each morning's Plenary Session in the Geo-PIT for this new take on keynote talks. In the Geo-PIT, outstanding speakers will briefly, but memorably, describe case histories that have defined our profession (the past), case histories that now define our profession (the present), and potential case histories that will define our profession (the future). As you leave the Geo-PIT each day, we hope that you will carry with you a perspective on our history, pride in our achievements, and inspiration for tomorrow.



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Registration
is Opening
Soon!

Check the
Website for
Updates