



GEO-CHICAGO 2016

“Sustainability, Energy, and the Geoenvironment”

Sheraton Hotel & Towers, Chicago, USA, August 14-18, 2016

CONFERENCE PREVIEW

ABOUT THE CONFERENCE

On behalf of the Geoenvironmental Engineering Committee of the Geo-Institute (GI) of American Society of Civil Engineers (ASCE), you are invited to attend GEO-CHICAGO 2016: Sustainability, Energy, and the Geoenvironment, which will be held in downtown Chicago on August 14-18, 2016. This is the perfect opportunity to expand your technical knowledge while experiencing the dynamic city of Chicago.

GEO-CHICAGO 2016 builds on the success of GeoCongress 2008: *Sustainability in the Geoenvironment* that was held in New Orleans, USA in 2008. The theme of GEO-CHICAGO 2016 is *Sustainability, Energy, and the Geoenvironment* and it will feature the latest research advances and engineering-practice innovations with a focus on characterization, modeling, design, construction, and field performance. The conference will include a wide range of knowledge-enhancing technical sessions, short courses, workshops, and technical tours. Around 600 U.S. and international participants from academia, industry, and government agencies are expected to attend the conference.

PROGRAM OVERVIEW

A number of activities are envisioned for the Geo-Chicago 2016 program, including:

- Keynotes/State-of-the-Art/State-of-the-Practice lectures
- Workshops and short courses
- Technical sessions
- Panel discussions
- Technical sessions honoring legends
- Posters
- Exhibitors
- Technical tours
- Social and networking opportunities: various indoor and outdoor fun activities: reception, banquet, etc.
- Post-conference voluntary work
- Student program

CONFERENCE COMMITTEES

Conference Program Committee

- **Conference Chair:** Krishna Reddy (kreddy@uic.edu), *University of Illinois at Chicago*
- **Conference Co-Chair:** Nazli Yesiller (nyesille@calpoly.edu), *GWRI/Cal Poly State University at San Luis Obispo*
- **Technical Program Chair/Proceedings Editor:** Dimitrios Zekkos (zekkos@geoengineer.org), *University of Michigan*
- **Technical Program Co-Chairs/Proceedings Co-Editors:** Arvin Farid (arvinfarid@boisestate.edu), *Boise State University*; and Anirban De (anirban.de@manhattan.edu), *Manhattan College*
- **Short Courses/Student Programs Chair:** Mike Malusis (mam028@bucknell.edu), *Bucknell University*
- **Workshops Co-Chairs:** Dimitrios Zekkos (zekkos@geoengineer.org), *University of Michigan*; Nazli Yesiller (nyesille@calpoly.edu), *GWRI/Cal Poly State University at San Luis Obispo*; and Jim Hanson (jahanson@calpoly.edu), *Cal Poly State University at San Luis Obispo*
- **Technical Tours/Social Program Co-Chairs:** Doug Hermann (doug.hermann@att.net), *Independent Consultant, Chicago*; and Dhooli Raj (DRaj@collinsengr.com), *Collins Engineering, Chicago*
- **Sponsorships and Exhibits Co-Chairs:** Carsten Floess (carsten.floess@aecom.com), *AECOM, Latham, NY*; and Chuck Wilk (charlesw@allu.net), *Allu Group, Teterboro, NJ*
- **Conference Coordinators:** Rob Schweinfurth (rschweinfurth@asce.org), *Geo-Institute/ASCE*; and Helen Cook (hcook@asce.org), *Geo-Institute/ASCE*

Conference Advisory Committee

- Akram Alshawabkeh, *Northeastern University*
- Craig Benson, *University of Wisconsin at Madison*
- Susan Burns, *Georgia Institute of Technology*
- David Daniel, *University of Texas at Dallas*
- John Fornek, *Federal Regulatory Energy Commission*
- Beth Gross, *Geosyntec Consultants*
- Edward Kavazanjian, *Arizona State University*
- Aaron Koch, *City of Chicago*
- James Mitchell, *Virginia Tech*
- Majdi Othman, *Geosyntec Consultants*
- Eve Pytel, *Delta Institute*
- William Rochford, *US Army Corps of Engineers, Chicago District*
- Charles Shackelford, *Colorado State University*
- Manju Sharma, *Metropolitan Water Reclamation District of Greater Chicago*
- Ajit Vaidya, *USEPA Region 5*

International Technical Committee

- Michel Aubertin, *Canada*
- Arul Arulrajah, *Australia*
- G.L. Sivakumar Babu, *India*
- Abdelmalek Bouazza, *Australia*
- Paul Brunner, *Austria*
- Claudio Cameselle, *Spain*
- Gemmina Di Emidio, *Belgium*
- Jean-Pierre Gourc, *France*
- Patrick Hettiaratchi, *Canada*
- Suksun Horpibulsuk, *Thailand*
- Takeshi Katsumi, *Japan*
- Senro Kuraoka, *Japan*
- Athula Kulathilaka, *Sri Lanka*
- S. Y. Liu, *China*
- Mario Manassero, *Italy*
- Luís Marinheiro, *Portugal*
- Marina Pantazidou, *Greece*
- Junbourn Park, *South Korea*
- William Powrie, *UK*
- Harianto Rahardjo, *Singapore*
- María Romero, *Colombia*
- Fernando Romegialli, *Chile*
- Kaimin Shih, *Hong Kong*
- Franz-Georg Simon, *Germany*
- Kenichi Soga, *United Kingdom*
- Antonio Thome, *Brazil*
- Nathalie Touze-Foltz, *France*
- Chih-Huang Weng, *Taiwan*
- Yeliz Yükselen, *Turkey*
- Ming Zhang, *Japan*

QUESTIONS? CONTACT:

Regarding the technical program

- Dimitrios Zekkos (zekkos@geoengineer.org), *University of Michigan*
- Arvin Farid (arvinfarid@boisestate.edu), *Boise State University*
- Anirban De (anirban.de@manhattan.edu), *Manhattan College*

For other general inquiries

- Krishna Reddy (kreddy@uic.edu), *University of Illinois at Chicago*
- Nazli Yesiller (nyesille@calpoly.edu), *GWRI/Cal Poly State University at San Luis Obispo*

CONFERENCE PUBLICATIONS

- All submitted technical papers will be peer-reviewed and published as a **Geotechnical Special Publication (GSP)**. Papers published in the GSP are indexed in Civil Engineering Database, Google Scholar, and others.
- Papers submitted for special sessions and the workshops may be considered for separate special GSPs focusing on specific topics, or for special issues of selected journals.

Call for Proposals: Sessions, Short Courses, and Workshops

The Geo-Chicago Program Committee is currently soliciting proposals for sessions, short courses, and workshops that fit within the scope of the conference.

Conference Technical Topics

Sustainability	Energy	Geoenvironmental Systems
<ul style="list-style-type: none"> Global climate change Carbon sequestration Geo-hazards management Frameworks Metrics, assessment and rating tools Adaptive/mitigation systems Geo-infrastructure design Case studies and education 	<ul style="list-style-type: none"> Geo-energy infrastructure Renewable geo-energy systems Geo-thermal Hydraulic fracturing Waste to energy Energy from landfills Nuclear waste containment Subsurface thermal regime 	<ul style="list-style-type: none"> Landfills and bioreactors Heap leach pads and impoundments Barrier systems Sediment dredging, capping and remediation Soil and ground water remediation Slopes, dikes, and embankments Ground improvement Biotechnologies Nanotechnologies
Materials and Resource Conservation	Waste Management and Remediation	Policy and Regulation
<ul style="list-style-type: none"> Embodied energy and green materials Field and laboratory characterization Reuse of residual materials New and recycled materials Innovations in geosynthetics Sensors and monitoring systems Geophysical and nondestructive testing and monitoring Coupled thermo-bio-hydro-chemical – mechanical processes Modeling and simulations Field monitoring and performance 	<ul style="list-style-type: none"> Waste characterization (MSW, mine tailings, industrial byproducts, emerging wastes, sediments) Disaster waste management Contaminant release, transport and risk Integrated management assessment and options Containment methods Physical, chemical and biological treatment methods Brownfield development Post-closure development over landfills 	<ul style="list-style-type: none"> Environmental legislation Regulatory schema Risk management and legal issues Financial incentives and impediments Public health and community resilience Preventive and preparedness policies

YOU ARE INVITED

...to submit a one-page proposal on any of the technical topics above. Proposals without all requested details (below) may not be considered:

- 1) Title
- 2) Description of the technical session, short course, or workshop geared for potential attendees (<150 words)
- 3) Organizer(s) with full contact information
- 4) Technical scope and justification on how the session/short course/workshop fits into the conference themes
- 5) Plans for soliciting participants and potential contributors

E-mail this information before December 5, 2014 to the Geo-Chicago Program Committee at geo-institute@asce.org. In the subject line, please include the phrase “Geo-Chicago Proposal.”

Decisions on the proposals will be made and communicated in mid-January (before the call for abstracts opens). The selected technical sessions will be included in the call for abstracts, which will be issued in early 2015.

DEADLINES

- Session, Short Course, and Workshop Proposals Due:December 5, 2014
- Session Short Course, and Workshop Proposals Decisions Complete:January 16, 2015
- Abstract Submittal Begins:February 15, 2015
- Abstracts Due:May 15, 2015
- Abstract Decisions Complete:June 19, 2015
- Draft Papers Due: August 20, 2015
- Draft Paper Decisions Complete: November 20, 2015
- Final Papers Due:January 8, 2016
- Final Paper Decisions Complete:March 4, 2016

Conference Program Schedule

(subject to change)

Date/Time	Activity
Sunday, August 14, 2016	
9:00 am - 5:00 pm	Short Courses and Workshops
5:00 - 6:00 pm	Geoenvironmental Committee Meeting
6:00 - 8:00 pm	Exhibit Hall Open/Welcome Reception
Monday, August 15, 2016	
8:30 - 10:30 am	Welcome / Keynote Lectures
10:30 - 11:00 am	Break (in Exhibit Hall)
11:00 am - 12:30 pm	Parallel Technical Sessions-I/Session Honoring Legends-I
12:30 - 2:00 pm	Lunch (in Exhibit Hall)/Posters
2:00 - 3:30 pm	Keynote Lectures
3:30 - 4:00 pm	Break (in Exhibit Hall)
4:00 - 5:30 pm	Parallel Technical Sessions-II
4:00 - 6:00 pm	Technical Tours
6.30 - 9.30 pm	Social Event to be determined
Tuesday, August 16, 2016	
9:00 - 10:30 am	State-of-the-Art/State-of-the-Practice Lectures
10:30 - 11:00 am	Break (in Exhibit Hall)
11:00 am - 12:30 pm	Parallel Technical Sessions-III/Session Honoring Legends-II
12:30 - 2:00 pm	Lunch (in Exhibit Hall)/Posters
2:00 - 3:30 pm	State-of-the-Art/State-of-the-Practice Lectures
3:30 - 4:00 pm	Break (in Exhibit Hall)
4:00 - 5:30 pm	Parallel Technical Sessions-IV
4:00 - 6:00 pm	Technical Tours
6:30 - 9:30 pm	Social Event to be determined
Wednesday, August 17, 2016	
9:00 - 10:30 am	State-of-the-Art / State-of-the-Practice Lectures
10:30 - 11:00 am	Break (in Exhibit Hall)
11:00 am - 12:30 pm	Parallel Technical Sessions-V/Session Honoring Legends-III
1:00 - 2:00 pm	Lunch with Presentation on Education
2:00 - 3:30 pm	State-of-the-Art/State-of-the-Practice Lectures
3:30 - 4:00 pm	Break
4:00 - 5:30 pm	Parallel Technical Sessions-VI
4:00 - 6:00 pm	Technical Tours
6:30 - 9:30 pm	Social Event to be determined
Thursday, August 18, 2016	
9:00 am - 5:00 pm	Workshops
9:00 am - 5:00 pm	Technical Tours
9:00 am - 5:00 pm	Voluntary Work