



Hello NHERI GSC!

Thank you to everyone who attended our NSF NHERI GSC General Meeting on November 21, 2025. We were honored to host Michael Gardner, an Assistant Professor at the University of California, Davis, in the Department of Civil and Environmental Engineering. His professional and research interests include geological engineering, rock mechanics, rock scour, natural hazards engineering, and the application of numerical and stochastic methods to shallow earth processes and engineering analysis. During the meeting, Dr. Gardner presented on "Fluid-Solid Interaction: Applications in Natural and Climate Hazards Engineering.

Below you will find the minutes from the meeting:

Announcements:

- Members are encouraged to connect with the NHERI group on LinkedIn: www.linkedin.com/in/ngsc/.
- Members interested in getting involved were invited to contact Diako Abbasi or Utkuhan Genc.
- Those attending AGU and wishing to connect with other NHERI GSC members were asked to complete the brief Qualtrics survey by December 5: https://bit.ly/NHERIGSC_2025AGU
- Shared the registration link for the 4th Annual NSF NHERI GSC Mini-Conference (May 15, 2026); Note that registration for the Data Challenge or Research Challenge is open until **December 1, 2025**. (See attached flyer); Stated that reviewer registration is open until **January 16, 2025**. https://bit.ly/2026NHERIGSC_Mini-Conference.
- Announced that Mini-Conference abstract submissions were due **January 16, 2025**: https://bit.ly/2026NHERIGSC_Mini-ConferenceAbstract.
- Learn more at the website: <https://designsafe-ci.org/learning-center/nheri-graduate-student-council/mini-conference-2026/>.

We invite you to get involved in 2026 NSF NHERI GSC Mini-Conference: Innovations in Natural Hazards Engineering in five keyways:

- ✓ Attend the conference
- ✓ Submit a research abstract
- ✓ Volunteer as a peer reviewer
- ✓ Join the Data Challenge
- ✓ Join the Research Challenge

Selected posters will be featured in the 2026 NHERI GSC Mini-Conference Book of Proceedings, published on DesignSafe DataDepot.

 Register: https://bit.ly/2026NHERIGSC_Mini-Conference

Conference opportunities:

Conference	Dates	Abstract
APPAM: Association for Public Policy Analysis & Management	November 13-15, 2025	Closed*
SRA: Society of Risk Analysis Conference	December 7-11, 2025	Closed*
YCSEC: Young Coastal Scientist and Engineers Conference	April 2026	December 19, 2025
Geotechnical Frontiers Conference	March 9-12, 2026	Closed*
AAG: 2025 American Association of Geographers	March 17-21, 2026	Closed*
ANNSIM: Annual Modeling & Simulation Conference	May 4-7, 2026	January 11, 2026
ACWE: 16th Americas Conference for Wind Engineering	Not announced yet	Closed*
NSF NHERI Summer Institute	June, 2026	Not announced yet
EMI: ASCE Engineering Mechanics Institute	June 2-5, 2026	January 15, 2026
Natural Hazards Workshop & Researcher's Meeting	June 14-17, 2026	February 6, 2026
IWSHM: International Workshop on Structural Health Monitoring	July 7-10, 2026	Closed*
ASA: American Sociological Association	August 7-11, 2026	February 25, 2026

*Conferences that are closed are open for registration, but abstract submission is closed.

• **Today's Speaker:**

Thank you, Dr. Michael Gardner, for sharing your expert and knowledgeable presentation. A recording of this presentation can be found on our website in the coming days (<https://www.designsafe-ci.org/learning-center/nheri-graduate-student-council/explore/meetings/>).

Contact details of our speakers:

Dr. Michael Gardner
 Assistant Professor
 Civil and Environmental Engineering
 University of California, Davis
mhgardner@ucdavis.edu

- The Geotechnical Engineering Subcommittee hosted a presentation by Dr. Nitin Tiwari on eco-driven stabilization of expansive soils using native microbial communities.
- The Simulation & Computational Methods Subcommittee featured a presentation by Dr. Neetesh Sharma on simulation and computation in hazard modeling.
- The Wind Engineering Subcommittee held a presentation by Wesam Mohamed on full-scale dust devil measurements to advance tornado understanding.
- The Holiday Social takes place on December 19, inviting members to destress, connect with fellow NHERI GSC members, and enjoy natural-hazards-themed games.
- Next month's meeting will be on Friday, December 19, 2025.

Welcome to New Members:

Dung Nguyen	Kurt Walter Soncco Sinchi	Shafi Ullah	Gianluca Cavallo
Binale Wanabibia	Jamiu Lateef	Harendra Raj Kalauni	Daniel Osborn
Shafqat Ullah	Arash Aminaee	Nima Shokrollahi	Aayush Shrestha
Gloria Hyun	Jesse Duku	Qianyi Liu	Kiran Subedi
Conor Hyland	Sankar Ganesh KS	Dain Kim	Abhay Dhorey
Abdul-Rahman Abdullah	Roydon Jude Samudio	Aanand Mani Subedi	Keerti Rath
Ahmed Hassanien	Iman Sheikhhosseini Lori	Amin Sobhani	Emmanuel Abuch Nasreldin
Roydon Jude Samudio	Suvechha Dhakal	Ghazanfar Anwar	Mokhtar
JAMIU LATEEF	Nur Sazzad Hossain Chy	Pegah Ghasemi	Ali Gorji Sefidmazgi
Aayush Shrestha	Arash Aminaee	Destiny Howell	Sujal Sapkota
Zihan	Oluwadamilare	Suraj Thapa	Bijay Nepal
Mahmood Nahian	Hussein Orekoya		

Standing Committee Leadership and Contacts

Standing Committee	Chair & Vice-Chair	Contact
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Workshop & Mentoring	Alireza Mirghafouri	alirezamirghafouri@gmail.com
Community Engagement	Rajee Tamrakar	rajee.tamrakar@siu.edu
Research	Pooria Mazaheri	mazaheri@IASTATE.EDU
	Zul Kazeem	azk15@case.edu
Networking & Community	Matt Van	mlvan@udel.edu
Membership	Diako Abbasi	dabbasi@umd.edu
	Utkuhan Genc	Ugenc@purdue.edu
Social Media & Outreach	Estovio Timothy	estovioo@gmail.com

Research Subcommittee Representatives and Contacts

Research Subcommittee	Representative	Contact
Coastal Engineering	Sadegh Nouri	msnouri@udel.edu
Earthquake Engineering	Unfilled- Contact Pooria Mazaheri, if interested.	Unfilled- Contact Poori Mazaheri, if interested (mazaheri@IASTATE.EDU)
Geotechnical Engineering	Mohamed Hassan	mhassa9@lsu.edu
Reconnaissance	Unfilled- Contact Pooria Mazaheri, if interested.	Unfilled- Contact Poori Mazaheri, if interested (mazaheri@IASTATE.EDU)
Simulation & Computational Methods	Mohammad Movahedi	eng.mohammadmovahedi@gmail.com
Social Science	Najiba Rashid	rashidna@oregonstate.edu
Wind Engineering	Arezoo Bakhshizadeh	ab22cd@fsu.edu

Attendance taken via zoom:

Robin Nelson	Narayan Kumar	emmanuel.abuch
Meselhe, Amina E	Dan Osborn	Sazzad
Eric Twum Barima	Romero Loyola, Jorge M	Dilruba Akter
Sadegh Nouri	Usama (usama98@iastate.edu)	Nitin Tiwari
Alireza Eskandarinejad	Mohammad Movahedi	Mohamed Eissa
Fireflies.ai Notetaker		
LaRico	Arezoo Bakhshizadeh	Mohamed Hassan
Jordan Nakayama	Keerti	Nasreldin Mokhtar
Amuda, Kamorudeen	David's Notetaker	Ravindu Jayasekara

Zul Kazeem	Mostafa Sameer	Sunil Bista
David Barba	Meera Kota	Scott Northedge
Ali Gorji	ERIC's Notetaker	Mansoor Adil
Marlio Molina Manrique	Neetesh Sharma	fahmadi1
Franklin Lombardo	Diako Abbasi	Omar Abdallah
Shailaja's Notetaker	anamika malla	Saba Faghirnejad
Ahmed Mohamed	Michael Gardner	Estovio Timothy
Kurt Soncco Sinchi	Afeez Badmus	Hussein Orekoya
Parisa Toofani Movaghar	Samir Nepal	ahmed A. Ewis Mohamed
Juliana Pereira	wesamm2	Jaideep's Notetaker
Alireza	Matthew Van	Christopher Kolade
Mukul Bhattarai	Ahmed Hassanien	Alegbeleye
Hamidreza Allahdadi		Keerti

Best,
Samir Nepal
Research Assistant
Texas A & M University
Vice Secretary of NSF NHERI GSC