



TC223 Bio-Geotechnical Engineering

TC223 Committee Meeting 21st ICSMGE

16th June 2026





TC223 Bio-Geotechnical Engineering

Leadership Team



Dr Grainne El Mountassir
Chair of TC223

University of Strathclyde
UK



Dr Junliang (Julian) Tao
Vice-Chair of TC223

Arizona State University
USA



Prof Rafaela Cardoso
Secretary of TC223

IST, Lisbon University
Portugal



Dr Michael Gomez
Nominated by Chair

University of Washington
USA



Prof Enrique Romero
Nominated by Chair

Universitat Politècnica
de Catalunya
Spain



TC223 Bio-Geotechnical Engineering

How to engage with TC223?

- Potential members should contact their member society
- Each member society can propose up to two members as nominated members (with voting rights).
- Additional members can be proposed as corresponding members.



TC223 Bio-Geotechnical Engineering

Upcoming Activities – Rafaela Cardoso

TC223 Special session at **1st International Conference on Sustainability in Geotechnical Engineering, ICSGE 2027**, 28th June – 1st July, Lisbon, 2027, organized by TC307.

Abstract Submission: 15th July 2026

Full Paper Submission: 15th November 2026





TC223 Bio-Geotechnical Engineering

Upcoming activities



9th International Symposium on Deformation Characteristics of Geomaterials (TC101), Ankara, Türkiye.

Abstract Submission: 21st September 2026.

Conference Dates: 14-17th September 2027.



TC223 Bio-Geotechnical Engineering

CBBG/TC223 Partnership – Alejandro Martinez

2nd ICBBG/TC223 partnership ...biogeotechnics across scales

Location: Davis, CA, USA

Dates: Summer 2028

Chairs: Alejandro Martinez and Jason DeJong

UC DAVIS



Introduction

1st ICBBG was held in Tempe, Arizona, USA in May of 2025, organized by CBBG (ASU, UC Davis, GT, NMSU)

- 2-day conference
- ~180 attendees from 25 countries
- 94 papers published in ISSMGE library
- 33 posters
- 18 sessions with 98 technical talks
- 6 keynote lectures



Starting in early 2026, the UC Davis team in collaboration with CBBG started organizing the 2nd ICBBG (2028)

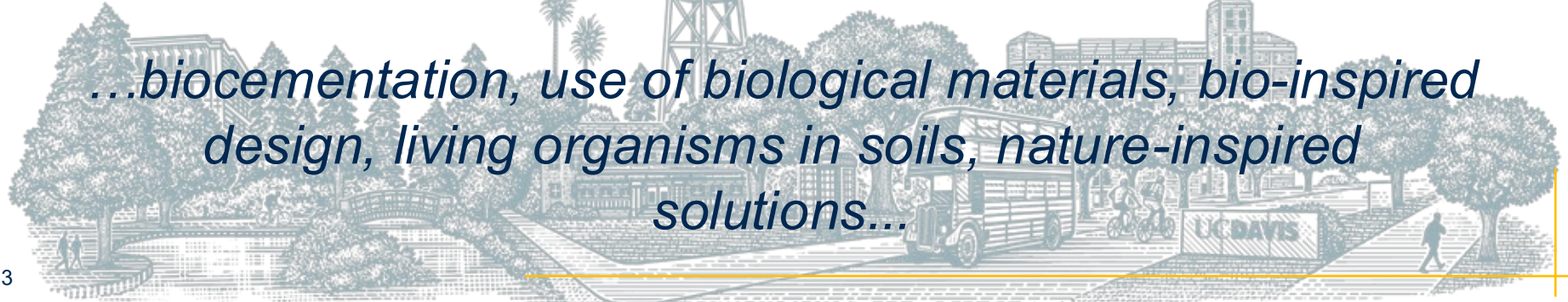


2nd ICBBG

June 2028

*Biogeotechnics across scales, from
particle/pore/organism scale to engineering solutions*

*...biocementation, use of biological materials, bio-inspired
design, living organisms in soils, nature-inspired
solutions...*



Conference Organizing Committee



Alejandro Martinez
Conference Chair



Jason DeJong
Conference Co-Chair



Ed Kavazanjian



Julian Tao



David Frost



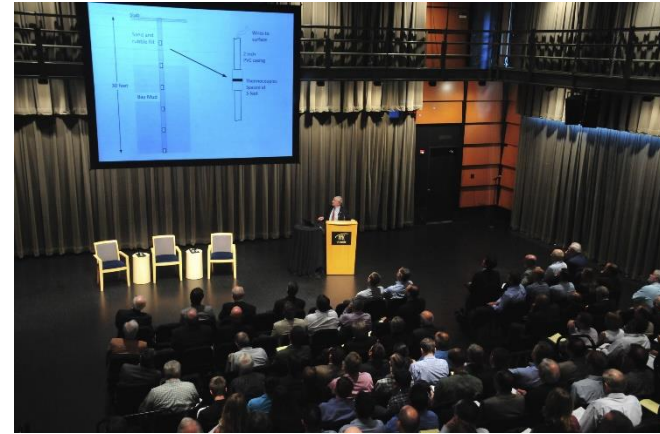
Paola Bandini

Organizing Committee

****Other members of organizing committee from TC 223 will be added later this year***

Program

- 6 to 8 keynote lectures
- 2 to 3 parallel sessions
- Poster sessions / lightning talks
- Exhibitors
- Technical tour – Oroville Dam, BART
- Social program – welcome reception, gala dinner



Program

Day 0	
5 - 7 pm	Reception / ice breaker

Day 1	
7:00 - 8:00	Breakfast
8:00 - 8:30	Opening remarks
8:30 - 9:30	Keynote 1
9:30 - 11:00	Parallel sessions (3 or 4)
11:00 - 12:30	Poster session
12:30 - 1:30	Lunch
1:30 - 2:30	Keynote 2
2:30 - 4:00	Parallel sessions (3 or 4)
3:30 - 4:00	Coffee break
4:00 - 5:00	Keynote 3
5:00	Day 1 adjourned

Day 2	
7:00 - 8:00	Breakfast
8:00 - 9:00	Keynote 4
9:00 - 10:30	Parallel sessions (3 or 4)
10:30 - 11:00	Coffee break
11:00 - 12:30	Parallel sessions (3 or 4)
12:30 - 1:30	Lunch
1:30 - 2:30	Keynote 5
2:30 - 4:00	Parallel sessions (3 or 4)
4:00 - 4:30	Coffee break
4:30 - 5:30	Keynote 6
5:30 - 8:30	Social event

Possible day 3	
7:00 - 8:00	Breakfast
8:30 - 9:30	Keynote 7
9:30 - 11:00	Parallel sessions (3 or 4)

Venue: UC Davis

- UC Davis is a large public university with colleges ranging from engineering to medicine, science, law, veterinary, education, and business
 - #9 public universities in the US
 - 40,000 students
- UC Davis Conference Center cluster
 - One main hall 450 seating capacity
 - Four rooms with 120 to 200 seating capacity
 - Four rooms with 50 seating capacity
 - Space for coffee breaks, meals, poster sessions and exhibitors



Travel, Accommodations, and Registration

- Very well connected with 3 international airports within train ride or driving distance
 - Sacramento International Airport (25 min)
 - San Francisco (90 minutes)
 - Oakland (80 minutes)
- One hotel on campus and six hotels within walking distance to conference venue
 - Range of budget options
- Registration fee includes breakfast, lunch, delegate bag, proceedings, and reception
 - Standard: \$800 USD
 - Early bird: \$600 USD
 - Student: \$450 USD
- Hotel and registration provided for keynote speakers.
- 4-6 student scholarships



Davis, California

- Davis is a progressive and academically focused city considered “California’s college town” and the “bike capital of US”
- Vibrant downtown within walking distance to UC Davis
- Many kilometers of trails and parks, art galleries, museums, and music venues



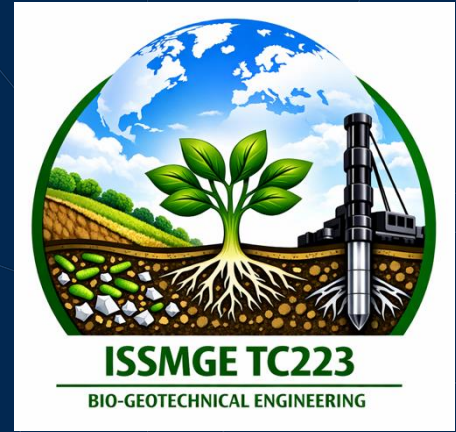
Nearby Attractions

- San Francisco, Monterey, & Sacramento
- Lake Tahoe
- Pacific Coast Highway 1
- National Parks: Yosemite, Redwoods, Sequoia, Lassen
- Napa and Sonoma Valleys



Thank you!

UC DAVIS





TC223 Bio-Geotechnical Engineering

Voting Rules

- Only nominated members can vote.
- Voting is anonymous
- Each nominated member will receive a unique link (via email) to cast their vote. Only one vote can be cast.
- Voting will open immediately after TC223 meeting and will close on Tuesday 30th June 23:59 (UTC+1:00/BST).
- We will use OpaVote Voting Platform.
- Email will come from “noreply@opavote.com”
- If you don't receive it, please check your junk email.



TC223 Bio-Geotechnical Engineering

Webinars

- Webinars organise beginning Autumn
- Host on TC LinkedIn
- Diverse speakers (career stage, gender, region, topics)
- Seeking volunteers to form a group to organize Webinar series
- Next TC meeting online Sept



TC223 Bio-Geotechnical Engineering

AOB

- Once membership grows we will issue a call for expression of interest for TC223 representatives for the 2 ISSMGE journals:
 - *ISSMGE International Journal of Geoengineering Case Histories*
 - *ISSMGE Journal on Geotechnical Engineering Research*
- Task force leaders will be appointed once membership grows
- We will submit a proposal to ALERT to hold a Bio-focused workshop in September 2027, deadline for proposal 15th September.