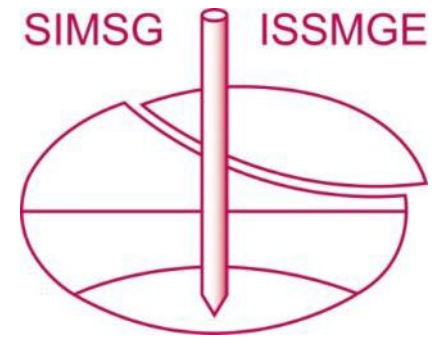


Technical Oversight Committee (TOC) Council Meeting Report

Vienna (Austria) – June 14th 2026

Dr Marcelo Sanchez

Professor Civil & Environmental Engineering. Texas A&M University, USA.



Technical Oversight
Committee (TOC)

➤ Overview

- ✓ The **Technical Committees (TCs)** of the ISSMGE are the **foundation** on which the **technical** and **scientific activities** of the ISSMGE are **based**.
- ✓ They are **managed** by a **Chair** and a **Secretary** and, if deemed necessary, a **Vice-Chair**.
- ✓ They are composed of **4 members** appointed by the **Chair** (with voting right), of **2 members** per **Member Society** (with voting right) and of corresponding members (with no voting right, unlimited number).
- ✓ The functioning of the TCs, based on a volunteer basis, is supervised by the **Technical Oversight Committee** and defined in the “**Guidelines for ISSMGE Technical Committees and ISSMGE Honour Lectures**”

➤ Technical Committees

“TCs are forum for discussing, developing and applying specialist geotechnical knowledge related to the behaviour of geo-materials, geotechnical engineering and engineering for society”

➤ Technical Committees Objectives

- ✓ **Develop** and **disseminate knowledge** and **practice** within the topic of the TC to the membership of the ISSMGE.
- ✓ Establish **guidelines** and technical **recommendations** within the topic of the TC.
- ✓ **Assist** with technical programs of **international** and **regional conferences** organised by the ISSMGE.
- ✓ **Interact** with **industry** and overlapping groups working in areas related to the **specialist area** of the **TC**.

➤ Technical Committees Activities (examples)

- | | |
|--|---|
| ✓ Regular TC meetings | ✓ Develop/organize technical publications/guidelines |
| ✓ Updated TC website | ✓ Involvement in ISSMG initiative |
| ✓ Organization of technical events
(conference, workshop, short course) | (e.g., Virtual University, Webinar, Time Capsule Project, ISSMG Interactive Technical Talks) |

➤ TOC LEADERSHIP TEAM



Chair: Dr Marcelo Sanchez
Prof. Civil and Environmental Engineering,
Texas A&M University, USA.



Vice-Chair: Dr Susmita Sharma
Assistant Prof. National Institute
of Technology Meghalaya, India.



Secretary: Dr. Mabel Chedid
Senior Geotechnical and Tunnel
Engineer at WSP. Technical Principal.



➤ TOC SUPPORT TEAM



Dr. Pierre Delage
Former TOC Chair



Dr. Dimitrios Zekkos
Appointed Board Member



Dr. Mona El-Din Anwar
Professional Image Committee

Vice Presidents



Dr. Marawan Shahien
Africa



Dr. Keh-Jian Shou
Asia



Mr. Graham Scholey
Australasia



Dr. Lyesse Laloui
Europe



Dr. Walter Paniagua
North America



Dr. Andre P. Assis
South America

➤ Technical Committees: 2022–2026 Term

- In 2022, 36 of the 38 TCs were active; while **TC207 & TC208** were inactive.
- Both inactive TCs were reactivated during the 2022–2026 term and are now fully active.

Technical Committees		
Category	Number	Short Name
Fundamentals	TC101	Laboratory Testing
Fundamentals	TC102	Site Characterization
Fundamentals	TC103	Numerical Methods
Fundamentals	TC104	Physical Modelling
Fundamentals	TC105	Geomechanics from Micro to Macro
Fundamentals	TC106	Unsaturated Soils
Fundamentals	TC107	Tropical Residual Soils
Impact on Society	TC301	Historic Sites
Impact on Society	TC302	Forensic
Impact on Society	TC303	Floods
Impact on Society	TC304	Risk
Impact on Society	TC305	Megacities
Impact on Society	TC306	Geo-education
Impact on Society	TC307	Sustainability
Impact on Society	TC308	Energy Geotechnics
Impact on Society	TC309	Machine learning

Technical Committees		
Category	Number	Short Name
Applications	TC201	Dykes and Levees
Applications	TC202	Transportation
Applications	TC203	Earthquake
Applications	TC204	Underground Construction
Applications	TC205	Safety and Serviceability
Applications	TC206	Observational Method
Applications	TC207	Soil structure - Retaining Walls
Applications	TC208	Slope Stability
Applications	TC209	Offshore
Applications	TC210	Embankment Dams
Applications	TC211	Ground Improvement
Applications	TC212	Deep Foundations
Applications	TC213	Scour Erosion
Applications	TC214	Soft soils
Applications	TC215	Geo-environmental
Applications	TC216	Frost
Applications	TC217	Land Reclamation
Applications	TC218	Reinforced Fill Structures
Applications	TC219	System Performance
Applications	TC220	Field Monitoring
Applications	TC221	Tailings and Mine Wastes
Applications	TC222	Geotechnical BIM and DT

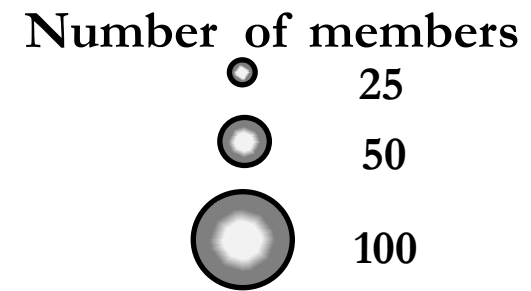
➤ Technical Committees: 2022–2026 Term

- In 2022, 36 of the 38 TCs were active; while **TC207 & TC208** were inactive.
- Both inactive TCs were reactivated during the 2022–2026 term and are now fully active.
- Two new TCs were established:
 - ▶ **TC223 – Bio-Geotechnics** ▶ **TC310 – Space Geotechnics**

Technical Committees		
Category	Number	Short Name
Fundamentals	TC101	Laboratory Testing
Fundamentals	TC102	Site Characterization
Fundamentals	TC103	Numerical Methods
Fundamentals	TC104	Physical Modelling
Fundamentals	TC105	Geomechanics from Micro to Macro
Fundamentals	TC106	Unsaturated Soils
Fundamentals	TC107	Tropical Residual Soils
Impact on Society	TC301	Historic Sites
Impact on Society	TC302	Forensic
Impact on Society	TC303	Floods
Impact on Society	TC304	Risk
Impact on Society	TC305	Megacities
Impact on Society	TC306	Geo-education
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Impact on Society	TC308	Energy Geotechnics
Impact on Society	TC309	Machine Learning
Impact on Society	TC310	Space Geotechnics

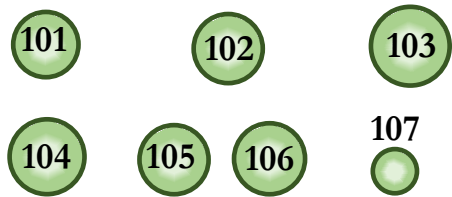
Technical Committees		
Category	Number	Short Name
Applications	TC201	Dykes and Levees
Applications	TC202	Transportation
Applications	TC203	Earthquake
Applications	TC204	Underground Construction
Applications	TC205	Safety and Serviceability
Applications	TC206	Observational Method
Applications	TC207	Soil structure - Retaining Walls
Applications	TC208	Slope Stability
Applications	TC209	Offshore
Applications	TC210	Embankment Dams
Applications	TC211	Ground Improvement
Applications	TC212	Deep Foundations
Applications	TC213	Scour Erosion
Applications	TC214	Soft soils
Applications	TC215	Geo-environmental
Applications	TC216	Frost
Applications	TC217	Land Reclamation
Applications	TC218	Reinforced Fill Structures
Applications	TC219	System Performance
Applications	TC220	Field Monitoring
Applications	TC221	Tailings and Mine Wastes
Applications	TC222	Geotechnical BIM and DT
Applications	TC223	Bio-Geotechnics

➤ Technical Committees Categories



Technical Oversight Committee

Fundamentals

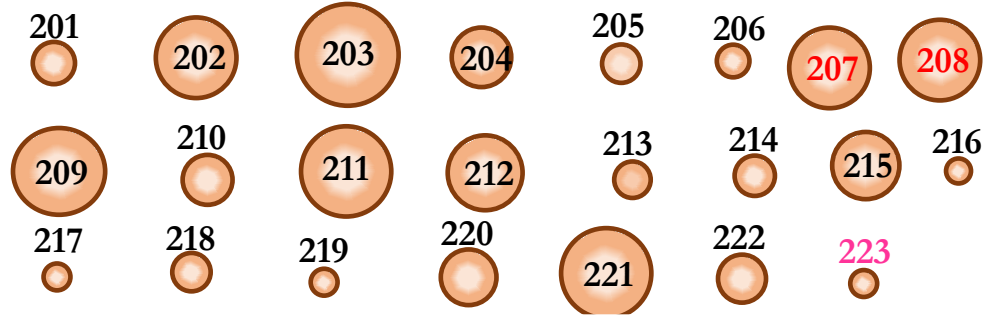


TC Short Name

101 Laboratory Testing
102 In-Situ Testing
103 Numerical Methods
in Geomechanics
104 Physical Modelling
105 Geo-mechanics
106 Unsaturated Soils
107 Tropical Residual Soils

~ 2300 members in all TCs

Applications

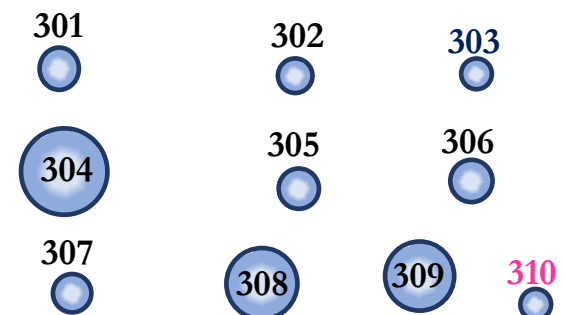


TC Short Name

201 Dykes and Levees
202 Transportation
203 Earthquake
204 Underground Construction
205 Safety and Serviceability
206 Observational Method
207 Soil Structure Interaction
208 Slope Stability
209 Offshore
210 Embankment Dams
211 Ground Improvement

212 Deep Foundations
213 Scour and Erosion
214 Soft Soils
215 Geo-Environmental
216 Frost
217 Land Reclamation
218 Reinforced Fill Structures
219 System Performance
220 Field Monitoring
221 Tailing and Mine Wastes
222 Geotechnical BIM and DT
223 Bio-Geotechnics

Impact on Society



TC Short Name

301 Historic Sites
302 Forensic
303 Floods
304 Risk
305 Megacities
306 Geo-education
307 Sustainability
308 Energy Geotechnics
309 Machine Learning
310 Space Geotechnics

➤ GUIDELINES UPDATES: 2022–2026 Term

▪ Key Updates to TC Guidelines and Procedures

- ✓ **Revised election** and selection **procedures** for TC Chairs, Honour Lecturers, and conference venues to enhance **transparency** and **fairness**
- ✓ **Broader** participation **encouraged** by ensuring open and **competitive** nomination **processes**.
- ✓ **International** leadership **teams** promoted to better **reflect** the **global** nature of **ISSMGE**
- ✓ Greater **geographic diversity** encouraged within TC **leadership** structures
- ✓ Move **away** from **region-based** ownership of **TCs** toward truly international communities
- ✓ TC **Chairs** empowered to **nominate Corresponding** Members when Member Society nominations are unavailable or delayed
- ✓ Increased **opportunities** for **engagement** from colleagues **worldwide**.
- ✓ Reinforces **ISSMGE's** commitment to **inclusiveness**, **transparency**, and **international** collaboration.

➤ TC CHAIRS ELECTIONS: 2022 – 2026 TERM

- Maximum TC Chair term: 4 years, renewable once
- 33 of 40 TCs successfully completed leadership transitions during the 2022–2026 term
- 9 TC Chair elections to be conducted in 2026

Technical Committee Number and Short Name	TC Chair Name	TC Chair Surname	Start Year	End Year
TC101 - Laboratory Testing	Erdin	Ibraim	2025	2029
TC102 - Site Characterization	Jason	Dejong	2022	2026
TC103 - Numerical Methods	Jidong	Zhao	2025	2029
TC104 - Physical Modelling	Ioannis	Anastasopoulos	2022	2026
TC105 - Geomechanics	Itai	Einav	2024	2028
TC106 - Unsaturated Soils	Enrique	Romero	2025	2029
TC107 - Tropical Residual Soils	Ahmed	Chraibi	2022	2026
TC201 - Dykes and Levees	Alessandro	Tarantino	2026	2030
TC202 - Transportation	Tatsuya	Ishikara	2023	2027
TC203 - Earthquake	Jonathan D	Bray	2024	2028
TC204 - Underground Construction	Giulia	Viggiani	2023	2027
TC205 - Safety and Serviceability	Richard	Bathurst	2022	2026
TC206 - Observational Method	Duncan	Nicholson	2024	2028
TC207 - Soil-Structure	Victor	Ong	2026	2030
TC208 - Slope Stability	Federica	Cotecchia	2026	2030
TC209 - Offshore	Federico	Pisano	2026	2030
TC210 - Embankment Dams	Limin	Zhang	2022	2026
TC211 - Ground Improvement	Babak	Hamidi	2022	2026
TC212 - Deep Foundations	Alessandro	Mandolini	2020	2025
TC213 - Scour and Erosion	Shinji	Sassa	2023	2027

Technical Committee Number and Short Name	TC Chair Name	TC Chair Surname	Start Year	End Year
TC214 - Soft Soils	Yoichi	Watabe	2022	2026
TC215 - Geo-Environmental	Andrea	Dominijanni	2022	2026
TC216 - Frost	Daichao	Sheng	2025	2029
TC217 - Land Reclamation	Chu	Jian	2023	2027
TC218 - Reinforced Fill Structures	Giulia	Lugli	2024	2028
TC219 - System Performance	Gang	Zheng	2023	2027
TC220 - Field Monitoring	Andrew	Ridley	2023	2027
TC221 - Tailings and Mine Wastes	Jorge	Macedo	2026	2030
TC222 - Geotechnical BIM and DT	Zefeng	Zhou	2026	2030
TC223 - Bio-Geotechnics	Grainne	El Mountassir	2026	2030
TC301 - Historic Sites	Alessandro	Flora	2026	2030
TC302 - Forensic	David	Frost	2023	2027
TC303 - Floods	Koji	Ichii	2026	2030
TC304 - Risk	Michael	Hicks	2023	2027
TC305 - Megacities	Louis	Ge	2026	2030
TC306 - Geo-education	Michele	Calvella	2025	2029
TC307 - Sustainability	Anand	Puppala	2024	2028
TC308 - Energy Geotechnics	Guillermo	Narsilio	2026	2030
TC309 - Machine Learning	Yu	Wang	2026	2030
TC310 - Space Geotechnics	Zili	Li	2026	2030



New Chair



Chair Renewed (2nd Term)



2026 Elections Planned



Need candidates

➤ ISSMGE Honour Lectures: 2022 – 2026 TERM

■ Three New Honour Lectures Approved

- ✓ **TC307: SUSTAINABILITY IN GEOTECHNICAL ENGINEERING HONOUR – Sustainability.**
- ✓ **TC105 M2M HONOUR L HONOUR LECTURE - Geo-Mechanics from Micro to Macro.**
- ✓ **TC103: ISSMGE SCOTT SLOAN HONOUR LECTURE - Numerical Methods.**
- ✓ **TC101: BISHOP HONOUR LECTURE – Laboratory Testing.**
- ✓ **TC102: MITCHELL HONOUR LECTURE – Site Characterization.**
- ✓ **TC104: SCHOFIELD HONOUR LECTURE – Physical Modeling.**
- ✓ **TC106: BLIGHT HONOUR LECTURE - Unsaturated Soils**
- ✓ **TC202: PROCTOR HONOUR LECTURE – Transportation Geotechnics.**
- ✓ **TC203: ISHIHARA HONOUR LECTURE – Earthquake.**
- ✓ **TC204: FUJITA HONOUR LECTURE – Underground Construction.**
- ✓ **TC209: McCLELLAND HONOUR LECTURE – Offshore Geotechnics.**
- ✓ **TC211: MENARD HONOUR LECTURE – Soil Improvement.**
- ✓ **TC212: POULOS HONOUR LECTURE – Deep Foundations.**
- ✓ **TC215: ROWE HONOUR LECTURE – Environmental Geotechnics.**
- ✓ **TC220: DUNNICLIFF HONOUR LECTURE – Field Monitoring.**
- ✓ **TC301: KERISEL HONOUR LECTURE – Monument Preservation.**
- ✓ **TC304: LACASSE HONOUR LECTURE – Risk.**
- ✓ **TC306: BURLAND HONOUR LECTURE – Geo-Education.**
- ✓ **TC308: ENERGY GEOTECHNICS HONOUR LECTURE - Energy Geotechnics.**



ISSMGE Interactive Technical Talk (IITT)

- Educational initiative bringing together early-career and renowned geotechnical engineers from academia and industry worldwide.

- Talk Moderator: Marc Ballouz



- 37 IITTs delivered across nearly all geotechnical engineering disciplines

- Organizing Committee:

Mabel Chedid (TOC Secretary) Bridget Lokoe (YMPG) Susmita Sharma (TOC Vice Chair) Marcelo Sanchez



- IITTs Available on ISSMGE website: <https://www.issmge.org/education/interactive-technical-talks>

- 27,531 views of IITT videos
- More than 2,500 hours of viewing time
- 2,810 new subscribers attracted through IITT content

IITT Speakers - TC 301

Dr. Christos Tsatsanifos
Editor / Vice President HSSMGE
Pangaea Consulting Engineers Ltd.
Former Prof. Geotechnical Engineering, Air Forces Academy of Greece
TC 301 – Preservation of Historic Sites

Dr. Durgadevagi Shanmugavel
Associate professor at SRM Institute of Science and Technology, Chennai, India

Dr. Efrain Ovando-Shelley
Senior Research Engineer
Instituto de Ingenieria Universidad Nacional Autónoma de México
TC 301 – Preservation of Historic Sites

Dr. Mai Sawada
Associate professor at Tokyo Institute of Technology
AsRTC 19 –Historical Sites (Chair)

International Society for Soil Mechanics and Geotechnical Engineering			
	HOME	THE SOCIETY	CORPORATE ASSOCIATES
	YOUNG MEMBERS	EVENTS	COMMITTEES
	PUBLICATIONS	EDUCATION	FOUNDATION
	NETWORKING		
Interactive Technical Talks			
Home / Education / Interactive Technical Talks			
Title	Presenter	Date	
8. Reinforced Fill Structures (TC218)	Dr.-Ing. Oliver Detert, Dr. Jorge G. Zornberg, Brobbey Daniel Ackah	18-07-2023	More Info
7. Preservation of Historic Sites (TC301)	Dr. Christos Tsatsanifos, Dr. Durgadevagi Shanmugavel, Dr. Efrain Ovando-Shelley, Dr. Mai Sawada	23-06-2023	More Info
6. Unsaturated Soils (TC106)	Prof. Enrique Romero, Maha Saleh, Lioxin Chen	15-04-2023	More Info

Video

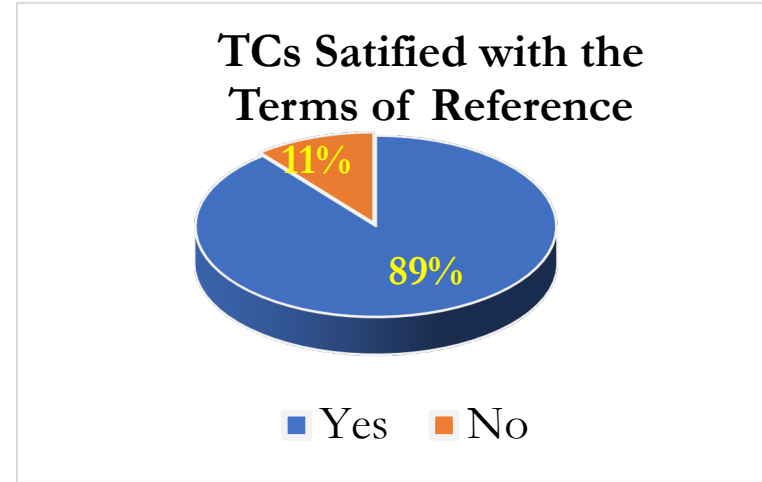
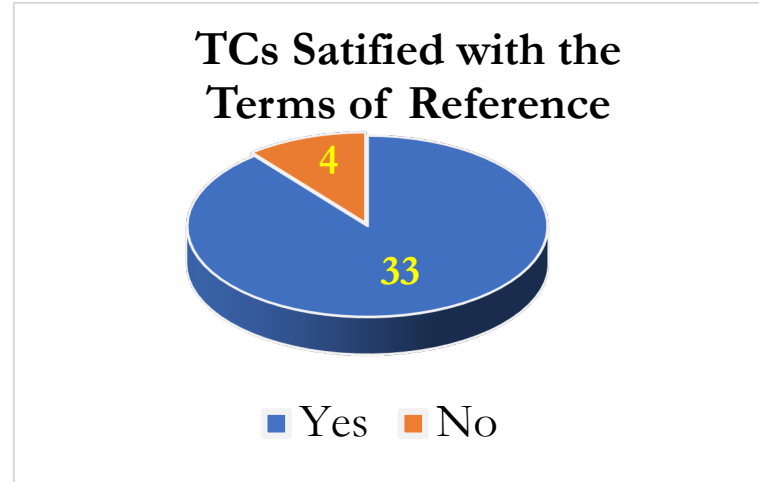


➤ **Technical Committees Activities Monitoring: 2022 – 2026 TERM**

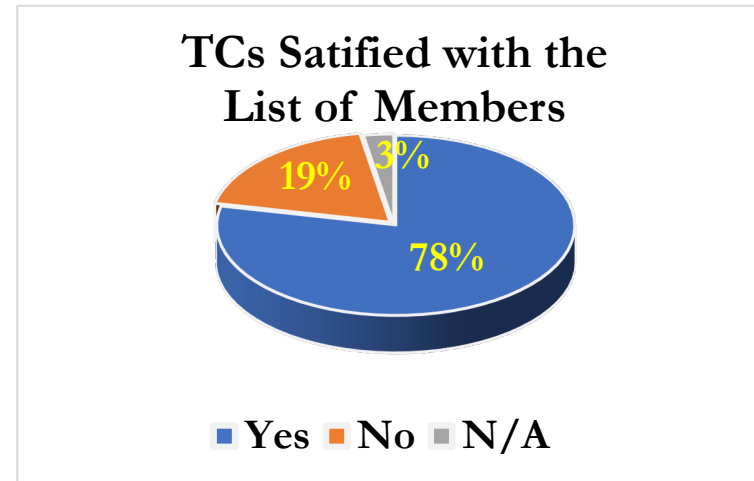
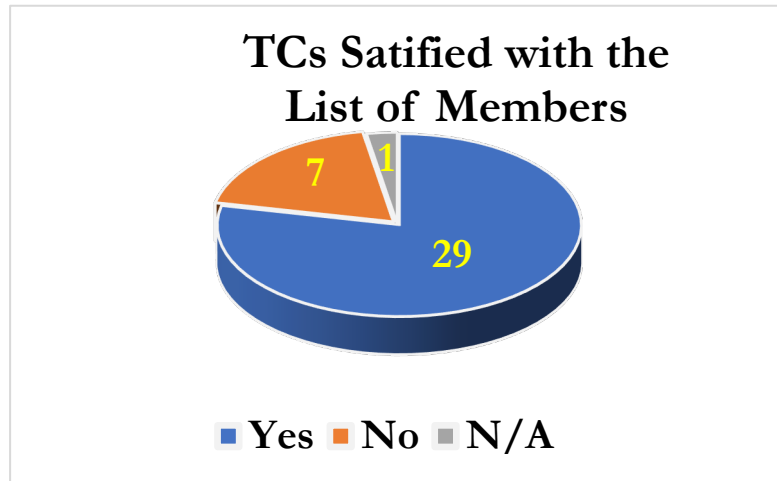
- ✓ **Survey (online) based on questions (around 20)**
- ✓ **Two surveys per term (midterm and end).**
- ✓ **TC leadership teams address the questions.**
- ✓ **TOC processes the information and develops the corresponding outputs.**

➤ TCs Reports Summary

1. Are you happy with the Terms of Reference of your TC in the ISSMGE website?

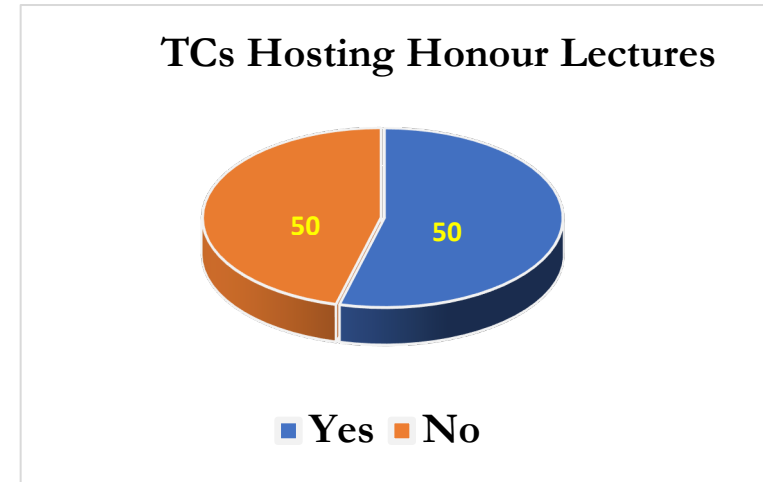
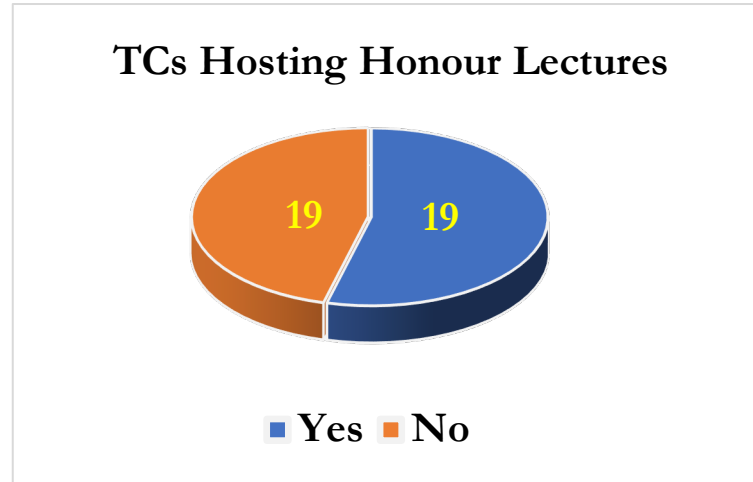


2. Is your List of Members satisfactory?

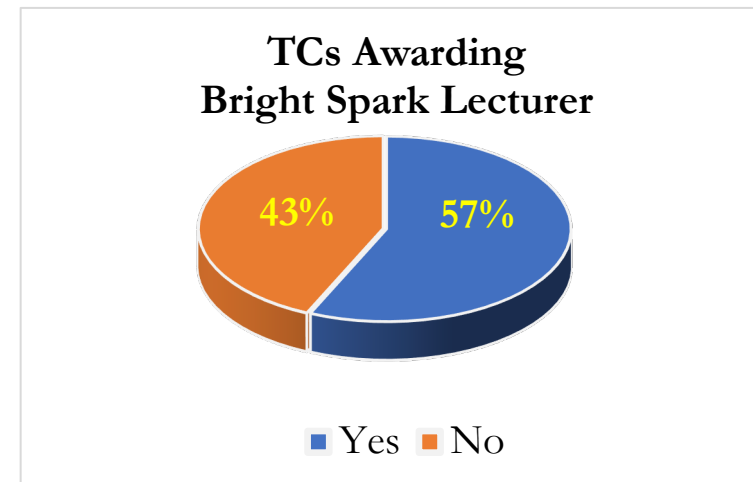
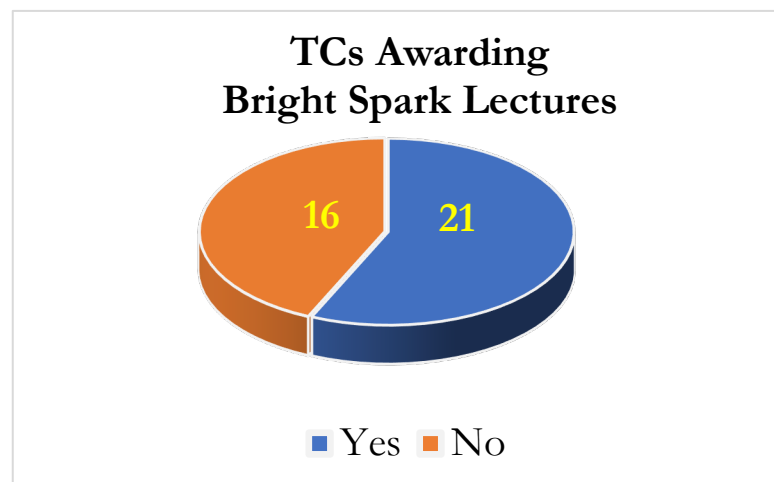


➤ TCs Reports Summary

3. Do you have an Honour lecture? If yes, where and when was it last delivered?

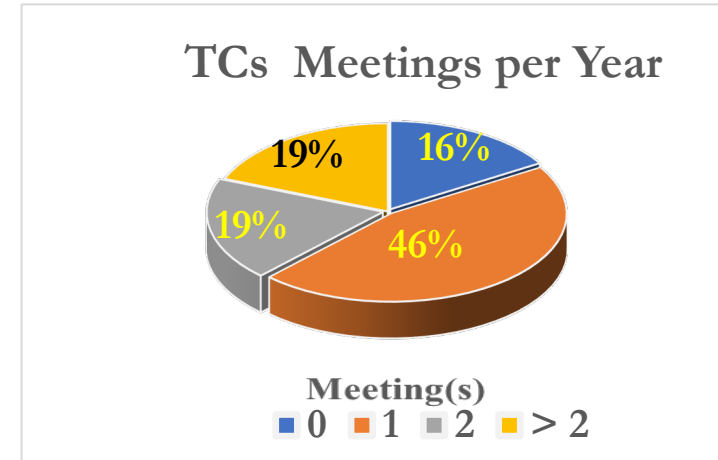
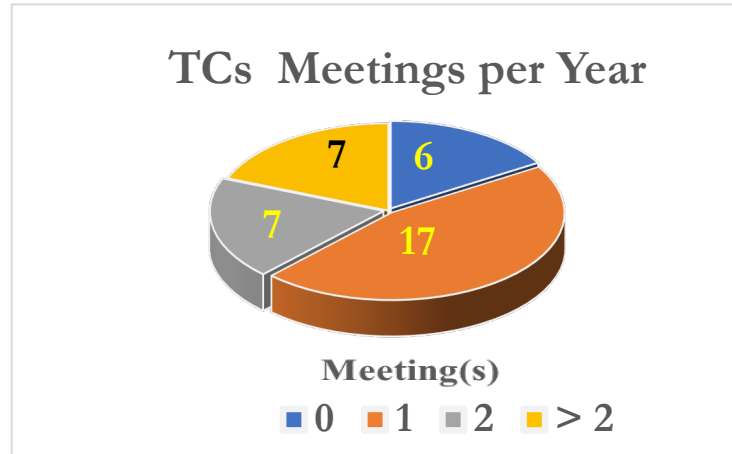


4. Did you or do you plan to select Bright Spark lecturers during your TC Conferences?

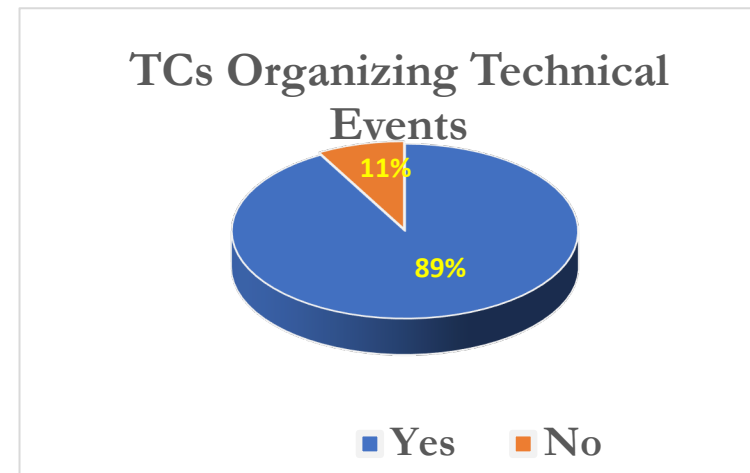
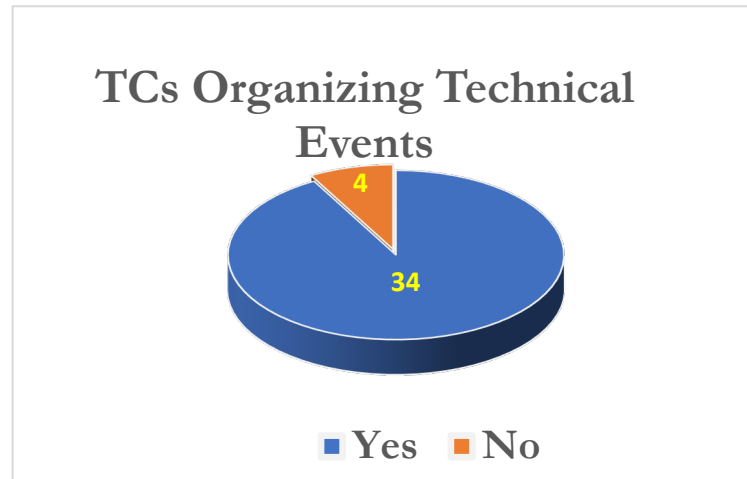


➤ TCs Reports Summary

5. Did you hold TC administrative meetings during the period (either in person or on-line)?



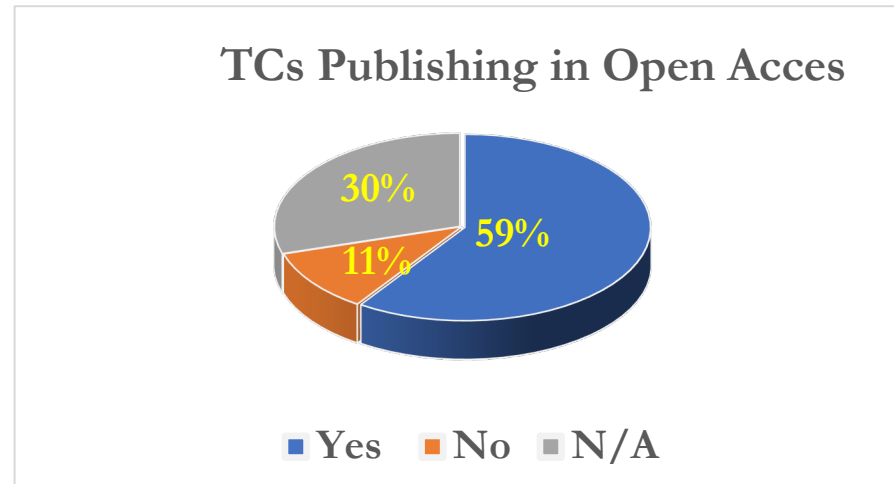
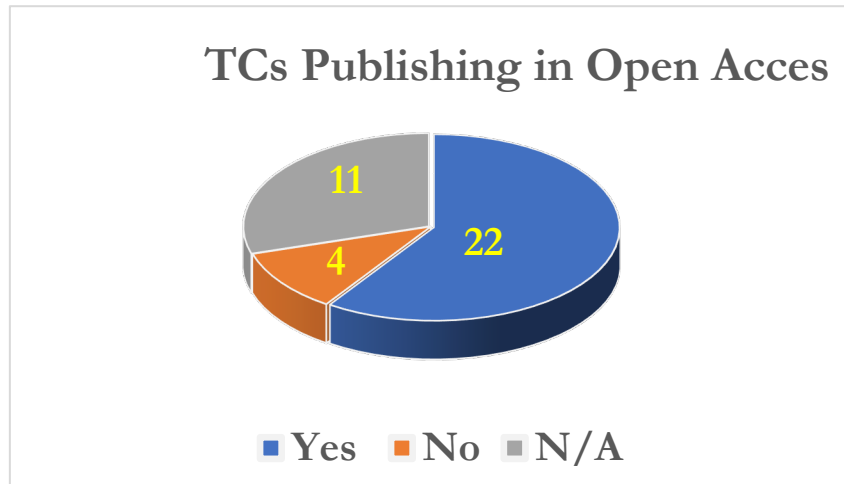
6. Did you organize any technical event (including conference, workshop, short course...) during the period? If yes, please give details (date, location, participation...)



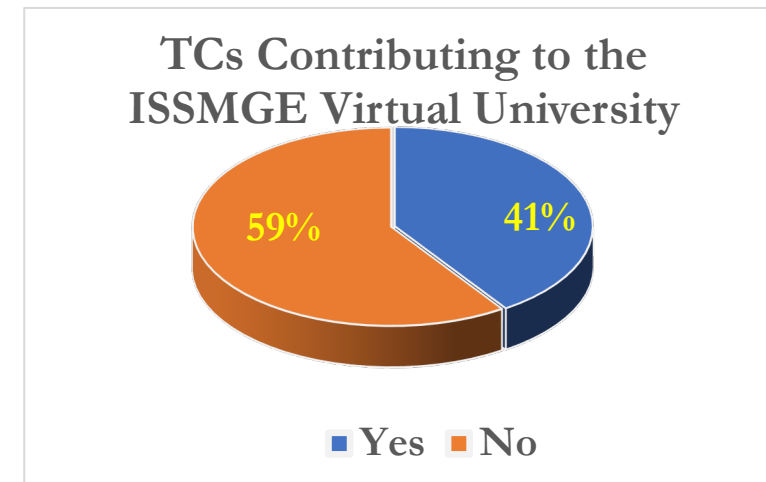
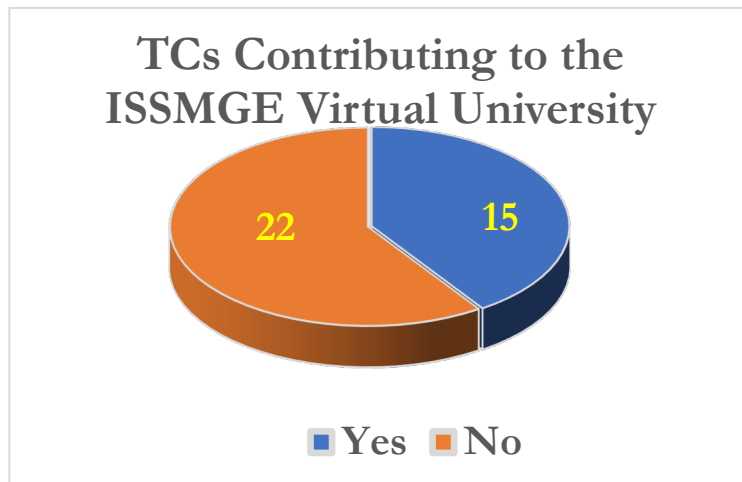
- ~25 major technical events organized by TCs (international and regional conferences, workshops, etc.)
- ~40 smaller technical events organized by TCs (conference sessions, one-day meetings, webinars, etc.)

➤ TCs Reports Summary

7. Were the proceedings of your events published and are they available in Open Access?

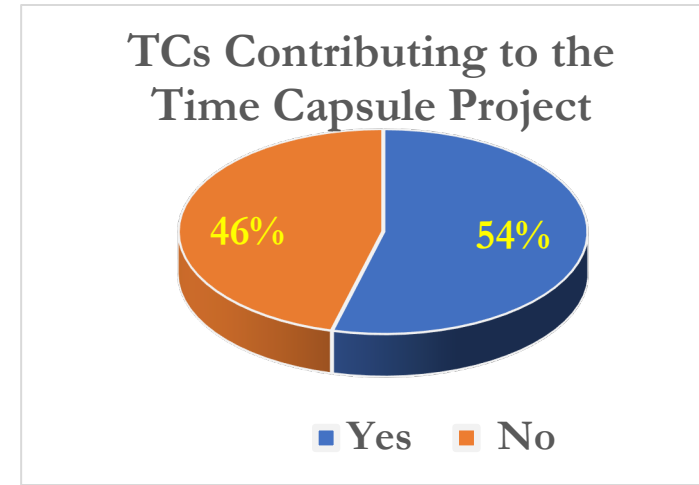
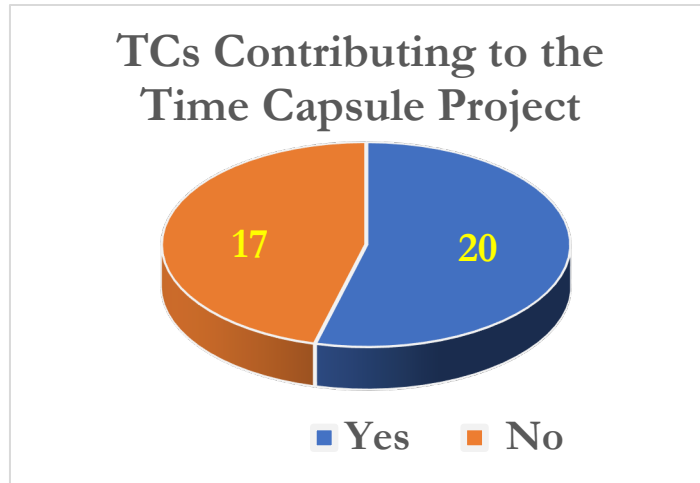


9. Did you provide a contribution to the ISSMGE Virtual University?



➤ TCs Midterm Reports Summary

10. What is the nature of your contribution to the Time Capsule Project?

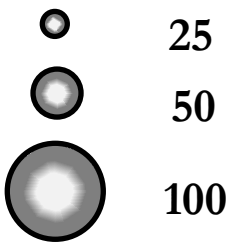


11. Which are the future activities being considered?

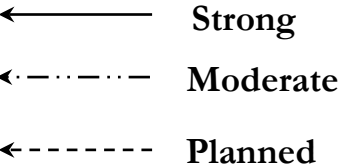
12. Any further comments

8. Did you have any interactions with other TCs? If yes, which TC?

Number of Members



Interactions

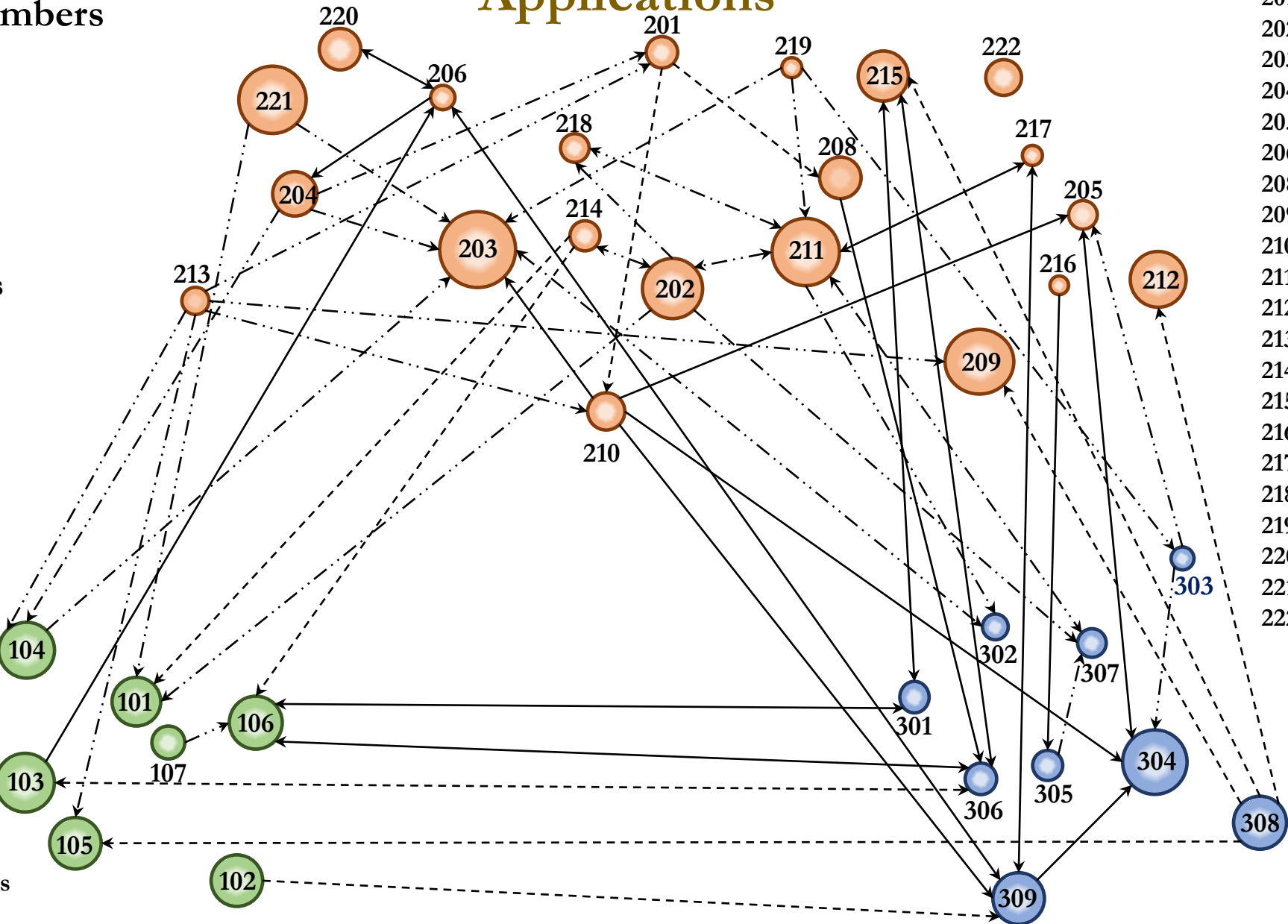


Applications

- TC Short Name
- 201 Dykes and Levees
 - 202 Transportation
 - 203 Earthquake
 - 204 Underground Construction
 - 205 Safety and Serviceability
 - 206 Observational Method
 - 208 Slope Stability
 - 209 Offshore
 - 210 Embankment Dams
 - 211 Ground Improvement
 - 212 Deep Foundations
 - 213 Scour and Erosion
 - 214 Soft Soils
 - 215 Geo-Environmental
 - 216 Frost
 - 217 Land Reclamation
 - 218 Reinforced Fill Structures
 - 219 System Performance
 - 220 Field Monitoring
 - 221 Tailing and Mine Wastes
 - 222 Geotechnical BIM and DT

- TC Short Name
- 101 Laboratory Testing
 - 102 In-Situ Testing
 - 103 Numerical Methods in Geomechanics
 - 104 Physical Modelling
 - 105 Geo-mechanics
 - 106 Unsaturated Soils
 - 107 Tropical Residual Soils

- TC Short Name
- 301 Historic Sites
 - 302 Forensic
 - 303 Floods
 - 304 Risk
 - 305 Megacities
 - 306 Geo-education
 - 307 Sustainability
 - 308 Energy Geotechnics
 - 309 Machine Learning



Fundamentals

Impact on Society

➤ Technical Committees Activities Monitoring

- A spreadsheet is used to monitor the TCs activity
- Points are associated with different activities.
- This score is used to stablish an indicative but imprecise ranking (i.e., very good TCs, good, and problematic ones).

- The main items contemplated are:

- ✓ Regular administrative meetings (3 points).
- ✓ Specific conferences regularly organized by the TC (3 points).
- ✓ Updated website (1 to 3 points) with relevant information (either within the ISSMGE website or within specific TC website).
- ✓ Managing of ISSMGE Honour Lectures and Bright Spark lectures.
- ✓ **TC Chairs –TOC meeting**
- ✓ Participation to ISSMGE Conferences through specific workshops are also considered.
- ✓ Contributions to other initiatives: **IITT**, Time Capsule Project, **Case History Journal**, **Research Journal** Virtual University, etc.

Website	Honour lecture	Bright Spark lecture	Reg. admin. meeting telecons	Specific Conf. Series	Open access proceedings	Task force	Interaction TCs	Case History Journal	Newsletter, Journal, review papers, Youtube, on line workshop, survey	Wk or Session ERC Reykjavik	Session ARC Tai Pei	ISSMGE virtual U.	TCP - TC meeting	TCP - TC contribution	SoA, SoP, Guidelines	TC Workshop Sydney	Note
3	1	1	3	3	1	1	1	1		1	1	1	1		1	1	21
3	1	1	3	3	1	1	1	1		1	1	1	1	1	1		21
3	1	1	3	3	1		1	1	1	1		1	1		1		19
3	1		3	3	1		1		1	1		1	1		1	1	18
3	1		3	3	1	1		1	1	1			1	1	1		18
3	1		3	3	1		1	1	1	1		1	1	1			18
3	1	1	3	3	1	1			1	1	1		1				17
2		1	3	3		1	1	1	1	1			1	1		1	17
3	1		3	3	1		1			1			1		1	1	16
2	1		3	3		1	1	1		1	1		1	1			16
3		1	3	3	1	1	1	1		1			1				16
2		1	3	3	1	1	1	1					1		1	1	16
2	1	1	3	3					1	1			1	1	1		15
2	1	1	3	3	1			1		1		1	1				15
3			3		1		1	1	1	1			1		1	1	14
3		1	3	3	1		1	1					1				14
2	1	1	3	3	1					1		1	1				14
1	1	1	3	3	1		1			1		1	1				14
3			3				1			1	1	1	1	1	1		13
2	1	1	3	3	1					1			1				13
3	1		3	3			1		1				1				13
3			3				1	1		1		1	1	1			12
2			3			1	1		1	1			1	1		1	12
2			3	1					1	1		1	1	1			11
2			3			1	1	1		1			1	1			11
1		1	3			1	1		1				0				8
2			3				1		1				0				7
2	1			1				1		1			1				7
2	1						1	1		1			0				6
2			3										1				6
2						1	1	1					1				6
2					1			1			1		1				6
2										1	1		1				5
2							1			1		1	0				5
1										1			1				2

➤ TOC – TCs MEETINGS: UPDATE 2022 -20026

- Clarify TC guidelines and operational procedures.
- Discuss past and future technical events involving TCs.
- Share successful TC initiatives and developments.
- Strengthen interactions between the TOC and TCs, and among TCs.
- Two sessions per meeting (same agenda) to accommodate global time zones and maximize participation.
- Participation from ~98% of TCs.

Year	Option 1	Option 2
2023	Tuesday 11 th December, 3:0 PM GMT	Wednesday 12 th December 3:00 AM GMT
2024	Tuesday 5 th March, 3:00 AM GMT	Tuesday 5 th March 3:00 PM GMT
	Thursday 12 th December, 3:00 AM GMT.	Thursday, December 12 th 3:00 PM GMT.
2025	Thursday, 30 th October, 02:00 P0M GMT	Thursday 30 th October, 2:00 PM GMT

➤ Events Organization & Interactions TOC – TCs: 2022 – 2026 TERM

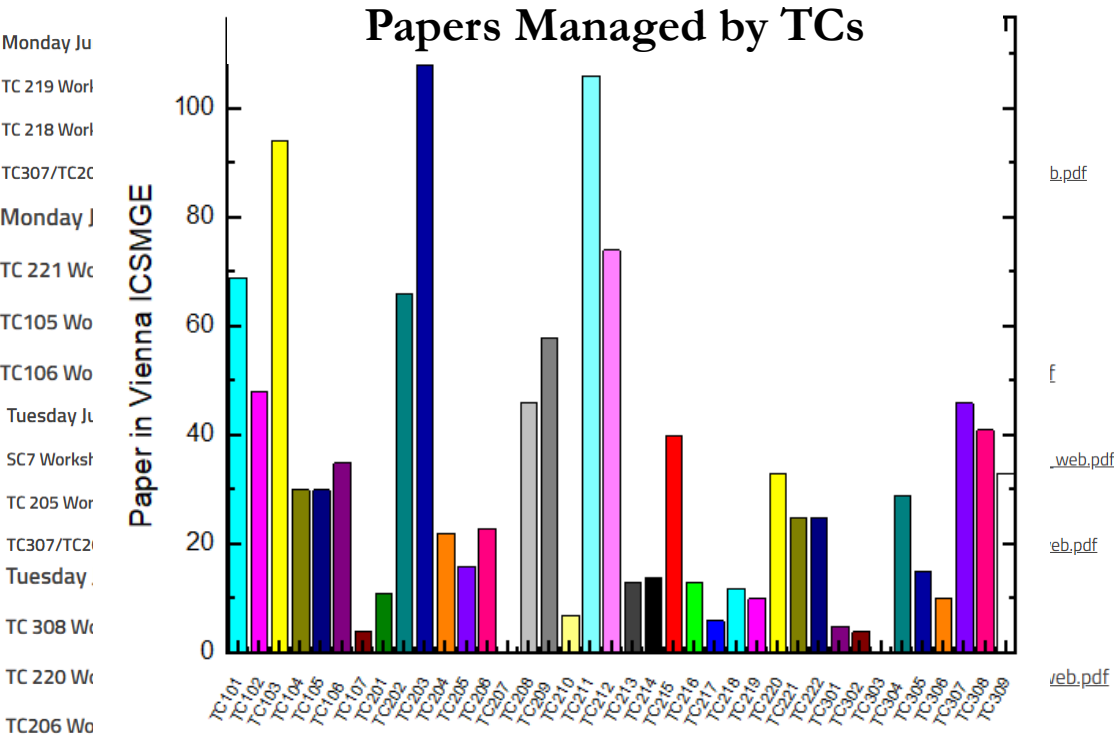
- [XVIII ECSMGE 2024](#). European Conf. on Soil Mechanics and Geotechnical Engineering. Lisbon, Portugal, Aug. 26- 30 2024.
- [21 ICSMGE 2026](#) International Society for Soil Mechanics and Geotechnical Engineering. Vienna, Austria, June 14-19 2026.



Date	Order	Theme of the Workshop/Course:			TC leadership	
		TC	Theme	Type	Name	email
ALTICE ARENA Rooms						
07-02-2023	1	TC 215	Sustainable Practices in Environmental Geotechnics (1/2 day, 70 pax, Room A)	Pres. of papers	Andrea Dominijanni	andrea.dominijanni@polito.it
07-02-2023	2	TC 220	Field Monitoring in Geomechanics (1 day, 80 pax, Room D)	I. Speakers / P. Papers	Andrew Ridley	andrew.ridley@geo-observations.com
27-02-2023	3	TC 202/TC 307	TC2020: Sustainable Geotechnics for Transport Infrastructure / TC307: New Approaches Regarding Sustainability in Geotechnical Research and Design (1 day, 80+40 pax, Room F)	Invited speakers	Tatsuya Ishikawa / Asaad Jagadeesh Puppala / Nuno Cristelo (acristel@utad.pt)	t-ishikawa@esg.hokudai.ac.jp; asaadp@exchange.tamu.edu; acristel@utad.pt
10-03-2023	4	PLAXIS	PLAXIS course -Not yet defined the room/session→ Moche room		Manuel Aukenthaler	Manuel.Aukenthaler@seequent.com
17-03-2023	5	TC 101	Thermo-Hydro-Mechanical Testing of Soils and Weak Rocks(1/2 day, 40 pax, Room D)	Invited speakers	Matthew Richard	m.coop@ucl.ac.uk
30-03-2023	6	TC 222	Title/room/session - Not defined (1/2 day, 90 Pax)	Invited speakers	Magnus Romoen	magnus-romoen@ngi.no
12-04-2023	7	TC 309	Machine Learning in Geotechnics(1/2 day, 30-40 pax, Room C)	Invited speakers	Zhongqiang Liu	zhongqiang.liu@ngi.no
13-04-2023	8	TC 211	Recent Advances in Rigid Inclusions (1 day, ND pax, Room B)	Invited speakers	Babak Hamidi	babakhamidi@hotmail.com
15-04-2023	9	TC 308	Science and Engineering of Energy Geosystems (1 day →1/2 day, 20-30 pax)	Invited speakers	Guillermo A. Narsilio	narsilio@unimelb.edu.au
20-04-2023	10	TC 106	Title/room/session - Not defined (1/2 day, < 80 Pax)	Invited speakers	Enrique Romero	Enrique.romero-morales@upc.edu
LNEC Rooms						
18-05-2023	11	TC 304	"Why is a reliability-based design framework beneficial for industry?" (1/2 day - afternoon, 30 pax)	Invited speakers	Michael Hicks	M.A.Hicks@tudelft.nl
23-05-2023	12	TC 206	Observational Method 7 - Not yet defined the room/session		Duncan Nicholson	Duncan.Nicholson@arup.com



TC WORKSHOPS



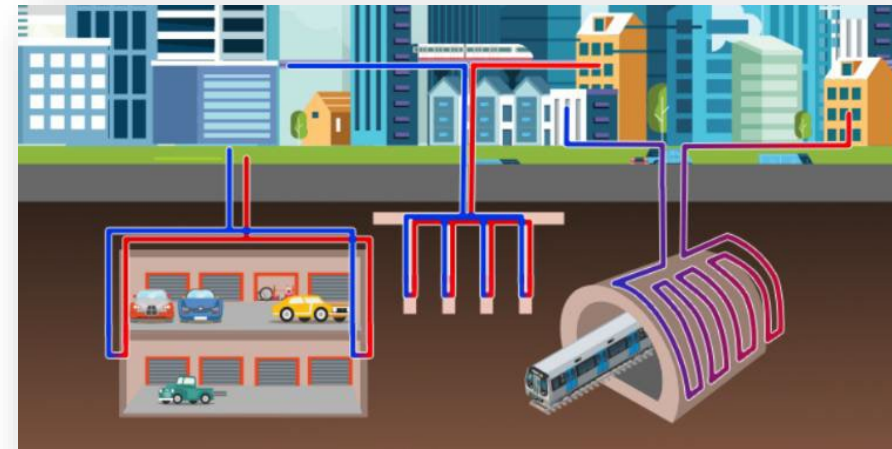
➤ TOC New Initiatives

■ Recognition of outgoing TC Chairs through commemorative plaques:

- ✓ Acknowledges and celebrates volunteer service.
 - ✓ Outgoing Chairs invited to write a reflective article on their term, including past achievements, current status, and future outlook.
 - ✓ Publication of articles (ISSMGE bulletin) documenting the evolution of geotechnical disciplines.
 - ✓ Preserve institutional knowledge for future TC leaders.
- Support from Dr. Mona Anwar (Professional Image Committee).

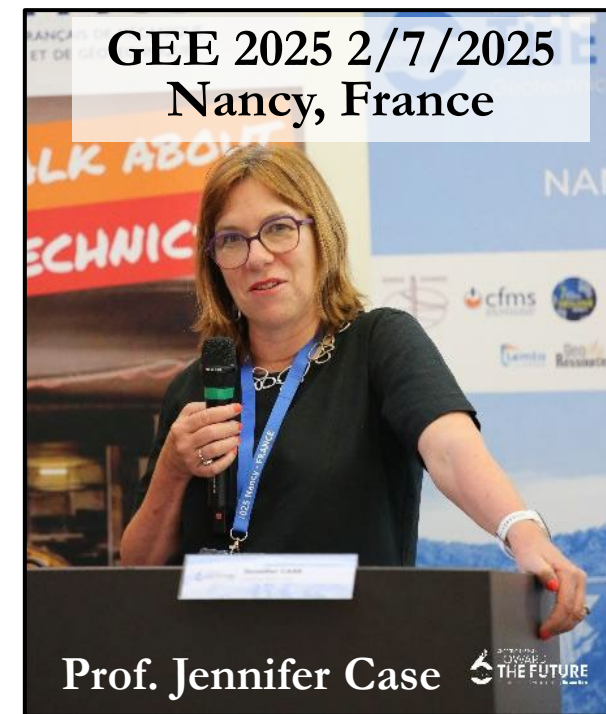
■ Pilot funding to support TCs initiatives:

- ✓ Enhance and expand TC activities,
- ✓ Support collaborative events between two or more TCs,
- ✓ Facilitate interdisciplinary keynote and invited speakers,
- ✓ Encourage innovative ideas and new TC activities.



➤ Project 1: Bridging to Engineering Education Research

- **TC306 - Geo-Education: ISSMGE Grant (£1,500)**
 - **Objective:** Bring a leading engineering education expert to **GEE 2025** (France) as keynote speaker.
 - **Invited Expert:** **Prof. Jennifer Case** -Head of the Dept. of Engineering Education, Virginia Tech, USA
 - **Cross-TC Collaboration - TC306** partnered with :
 - ✓ **TC103** - Numerical Methods, and
 - ✓ **TC106** - Unsaturated Soils.
 - **Outcomes:**
 - ✓ ISSMGE support **made possible** the participation of a leading non-geotechnical expert as a keynote speaker at GEE 2025
 - ✓ **Global access** through the [ISSMGE Virtual University](#)
 - ✓ **Wider dissemination** through the ISSMGE **Bulletin** (March 2026)
- **Impact:** **Geotechnical** engineering **professors** gained evidence-based **recommendations** for **scholarly teaching**.



➤ Project 2: Global GIS Platform for Energy Geotechnics

■ TC308 – Energy Geotechnics: ISSMGE Grant (£1,000)

■ Objectives

- ✓ Global mapping of energy geotechnics projects
- ✓ Initial focus on energy geostructures
- ✓ Expansion to CO₂ storage, H₂, deep geothermal, and methane hydrates
- ✓ Creation of an open-access project database
- ✓ Community-driven contributions and knowledge sharing.

■ Impact

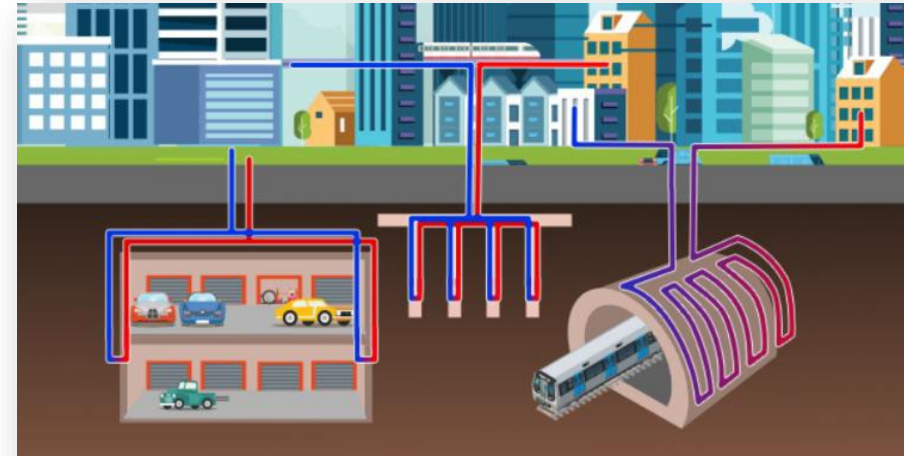
- ✓ Increased visibility of energy geotechnics worldwide
- ✓ Stronger academia–industry–practice collaboration
- ✓ Identification of emerging trends and knowledge gaps
- ✓ Resource for education, outreach, and conferences
- ✓ Enhanced contribution of TC308 to the energy transition

- Where to find? <https://tc308-energy-geotechnics.org/gis-map/>

ISSMGE TC 308



ENERGY GEOTECHNICS



Energy Geostructures



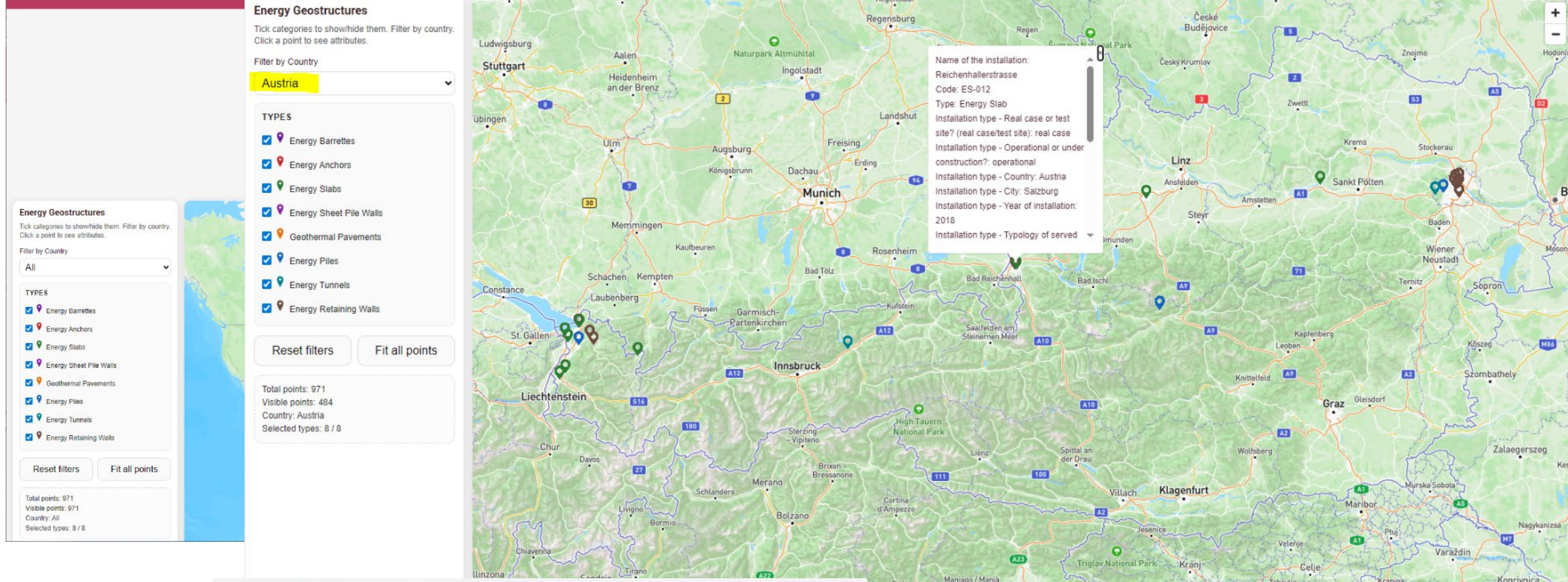
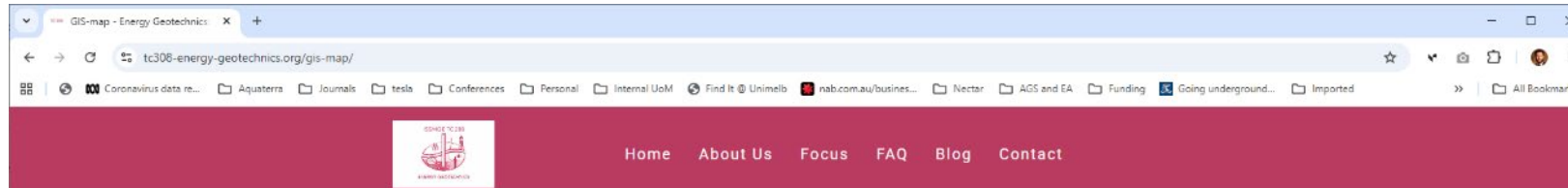
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➤ Project 2: Global GIS Platform for Energy Geotechnics

ISSMGE TC 308



ENERGY GEOTECHNICS



➤ Project 3: Ground Improvement Photography Competition

■ TC211 – Ground Improvement: ISSMGE Grant (£1,000)

■ Objectives

- ✓ Expand TC211 engagement,
- ✓ Reach new audiences,
- ✓ Encourage broader participation,
- ✓ Promote inclusiveness,
- ✓ Support ISSMGE outreach activities.

■ Impact

- ✓ Stronger academia–industry–practice engagement,
- ✓ Increased visibility of underrepresented contributors,
- ✓ New collaboration opportunities,
- ✓ Enhanced TC211 impact and reach,
- ✓ Resources for ISSMGE global outreach and dissemination,

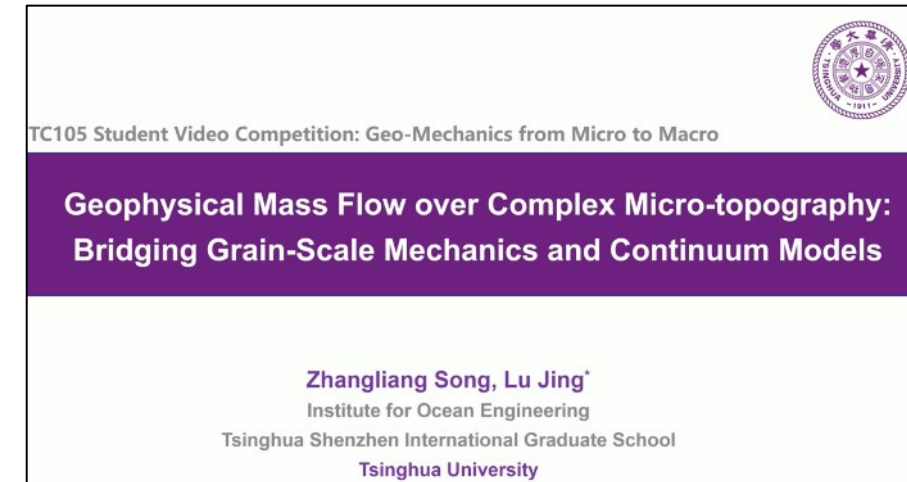


Illustrative examples only
(not competition winners)

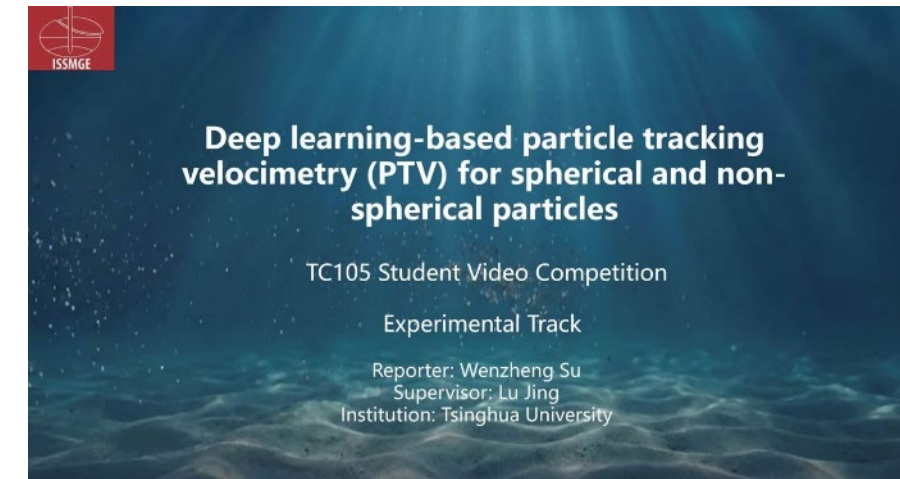


➤ TCs Initiative 1: Student Video Competition - Geomechanics Micro to Macro

- **TC105** - Geomechanics from Micro to Macro
- **Successful** inaugural competition in **2026**; **2027** edition **planned**.
- **Goals**
 - ✓ Increase student **engagement**
 - ✓ **Showcase** MSc and PhD research
 - ✓ Promote visibility and **recognition** for **young** researchers
 - ✓ **Communicate** geomechanics from micro to macro **scales**.
- **Strong participation in 2026, 19 videos submitted**
 - ✓ 8 **experimental**,
 - ✓ 11 **numerical**/theoretical.
 - ✓ Two rounds of evaluation and two winners recognized.
- **Winners**
 - ✓ **Featured** on the TC105 **LinkedIn** page and **ISSMGE** website
 - ✓ **£250 prize** awarded to each of the two winners.
- **2026 Winners**
 - ✓ Computational: **Zhangliang Song**, Tsinghua University.
 - ✓ Experimental: **Wenzheng Su**, Tsinghua University



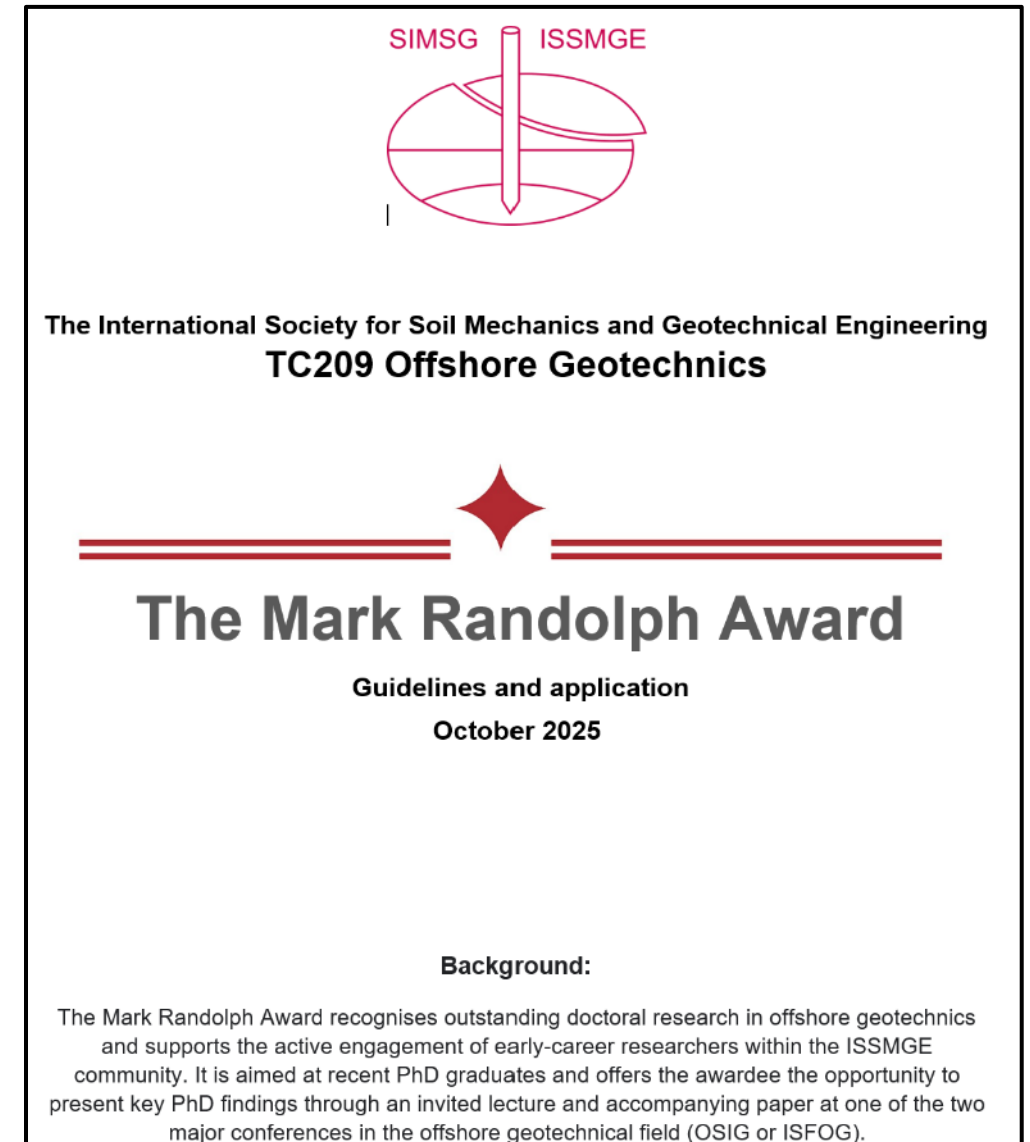
Zhangliang Song's winning video



Wenzheng Su's winning video

➤ TCs Initiative 2: New Best PhD Dissertation Award in Offshore Geotechnics

- **TC209** - Offshore Geotechnics:
 - ✓ Established the **Mark Randolph Award** for Best PhD Dissertation
 - ✓ **First** award to be presented at **OSIG 2027**.
 - ✓ Nomination and selection **guidelines** developed
 - ✓ Award includes an ISSMGE **certificate** signed by the **President**
 - ✓ Encourages and recognizes **outstanding young researchers** in offshore geotechnics.



➤ TCs Initiative 3: Observational Method - Pre-Rankine Conference

- **TC206** - Observational Method
- London 17th March 2026.
- Joint initiative with:
 - ✓ **TC220** (Field **Monitoring**),
 - ✓ **TC103** (Numerical **Modeling**),
 - ✓ **TC204** (**Tunnels** in Soft Ground).
- Contributions from
 - ✓ **TC222** (**BIM**),
 - ✓ **TC309** (**Machine Learning**),
 - ✓ **TC304** (**Risk**).
- Sessions included technical **presentations** and **discussions**.
- Encouraged **interaction** and knowledge exchange between **academics** and practitioners
- Demonstrates enhanced **cross-TC collaboration** and **synergy**.

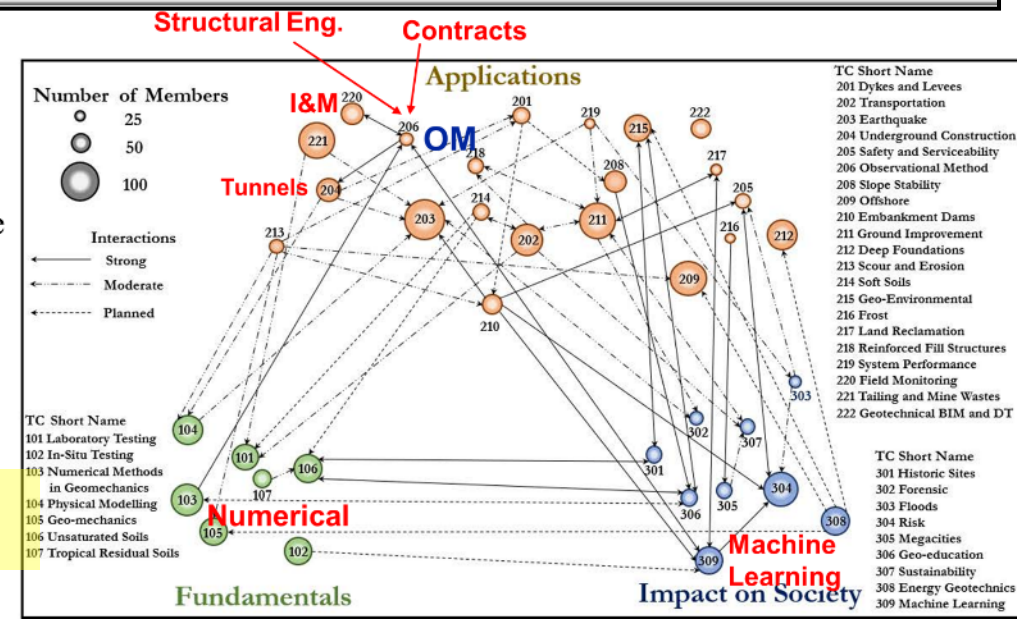
Title	Pre-Rankine-Conference-on-Observational-Method-Developments: Perspectives from academics, consultants, contractors, clients, and technical committees
Keywords	Observational-method, contracts, I&M, real-time-back-analysis, digital-twins, tunnelling
Target-audience	Wide-range-of-practitioners, academics, designers, contractors, clients, other technical committees
Session-1-Overview-of-TC206-OM-activity-and-Ciria-R185-objectives	
Chair: Duncan-Nicholson	
9:00-Duncan-Nicholson	Introduction-to-OM-developments-and-TC206
9:15-Tony-O'Brien	Contracts--Codes--Guides-(CIRIA-R185). What-needs-to-change? Discussion
10:00-Marcelo-Sánchez	Links-with-Technical-Committees--Introduction-- Panel-Discussion-with-TC-reps
10:45	Tea-Break
Session-2-Keynote-OM-Presentations	
Chair: TBC	
11:00	Keynote-1: Suzanne-Lacasse-NGI Statistical-Framework-for-controlling-uncertainty-in-OM
11:30	Keynote-2: Prof-Jamie-Standing-Imperial-College How-Reliable-is-Instrumentation
12:00	Keynote-3: Colin-Eddie-Consultant Tunnelling--Lessons-for-OM
12:30	Panel-discussion-on-presentations
13:00	Lunch
13:30	Lunch

TC206 has strong links to the ISSMGE networks.

We have good links to Numerical and Machine learning.

Our CIRIA Guide team will continue to collaborate with these TC groups .

(We need stronger links to the applications.)



➤ Communication - Interactions with Members Societies

■ TC–Member Society Liaison

- ✓ Suggest appointing a representative from each Member Society to serve as a liaison between the TCs and the Member Societies.

■ Pilot Flyer to Recruit New Members

- ✓ TC211 Membership Recruitment Initiative
- ✓ Flyer to support recruitment through Member Societies
- ✓ Highlights benefits of TC participation
- ✓ Targets both represented and underrepresented regions
- ✓ Option: one common flyer or tailored versions
- ✓ Suggestions welcome

International Society for Soil Mechanics and Geotechnical Engineering
TC-211 Ground Improvement Technical Committee



We miss you in the ISSMGE TC211 map. Join us now!



Ground improvement is not a luxury—it's a necessity.

ISSMGE Technical Committee 211 (TC211) is the global hub for advancing ground improvement technologies, practices, and standards. Our map highlights active member societies—but many regions remain unrepresented. If your society is not yet part of TC211, we warmly invite you to join and help shape the future of ground improvement in your country. **Already represented? Expand your country's participation by nominating additional colleagues to TC211.**

Why join TC211?

- **Access global expertise:** Collaborate with leading engineers, researchers, and practitioners worldwide.
- **Strengthen national capacity:** Learn and transfer from proven techniques and adapt them to local soil conditions and infrastructure needs.
- **Boost project outcomes:** Enhance safety, sustainability, and cost-efficiency across key infrastructure sectors through better ground improvement.
- **Gain international impact and visibility:** Contribute to international standards, influence technical guidelines, and showcase your country's innovations in a global forum.
- **Inclusive and proactive community:** TC211 is committed to equal opportunity, diversity, and practical engagement, whether you're a seasoned expert or a rising professional.
- **Stay updated and connected:** Access the latest developments in ground improvement, participate in technical events, and expand your network with experts worldwide.
- **Strengthen your national representation:** Expand your country's participation by nominating additional experts and emerging professionals to contribute to TC211 activities.

Your country's voice matters.

By joining TC211, your geotechnical society becomes part of a dynamic, solution-focused network. Together, we can address pressing challenges, share knowledge, and ensure that ground improvement benefits communities everywhere.

Let's fill the map—together.

If your country is not yet on our TC211 map, — or if your national representation can grow — it's time to change that.

Contact your ISSMGE Member Society and ask to be added to TC211. They will guide you through the simple process of joining our global network.