



International Society for Soil Mechanics and Geotechnical Engineering

TOC Report Cape Town Council Meeting 6 October 2019

Pierre Delage
Chair of the Technical Oversight Committee

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- To promote the objectives, activities and results of the technical committees throughout the ISSMGE membership.

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- To actively participate to the ISSMGE virtual University (including introductory courses, e.g. Machine Learning)
- **Members societies invited to be proactive** with respect to their TC membership, in particular with new TCs (Machine learning, System Performance, Field monitoring):
 - 2 nominated members (voting right),
 - n corresponding members (no voting right)

TOC Members

Africa	Etienne Marcelin	Kana
Asia	Eung Shul	Shin
Australasia	Philipp	Robbins
North America	Tim	Newson
South America	Alejo	Sfriso
Europa	Mario	Manassero

- To follow the TC activities in their region
- To help managing the ISSMGE support to the Conferences organised in their region by TCs and ISSMGE members

Current situation of TCs

- 36 TCs, *3 new TCs*
 - From 101 to 107: Fundamental (7)
 - Lab and in-situ testing, numerical and physical modelling, micro-macro, unsaturated, lateritic soils
 - From 201 to 220: Practical (20)
 - Dykes, Transportation, Earthquakes, Underground, Safety-serviceability, Interactive design, Retaining walls, Slopes, Offshore, Dams, Ground improvement, Deep foundations, Scour – erosion, Soft soils, Geo-env., Frost, Land reclamation, Reinforced structures, *System Performance**, *Field monitoring**
 - From 301 to 309: Linked to society (9)
 - Historic, Forensic, Floods, Risk, Megacities, Education, Sustainability, Energy, *Machine Learning**
- * New: good to have introductory lectures from them*

Recent news - 1

- New TC Chairs since Seoul 2017 (max. 2 terms of 4 years)
 - Matthew Coop (UK), TC101 Lab testing
 - Akira Murakami (Japan), TC103 Numerical methods
 - Dong-Soo Kim (Korea), TC104 Physical modelling
 - Kenichi Soga (USA), TC105 Micro-macro
 - Rod Salgado (USA), TC205 Safety-serviceability
 - Phil Watson (Australia), TC209 Offshore
 - Limin Zhang (HKSAR), TC210 Dams
 - Hanlong Liu (China), TC303 Floods
 - Jianye Ching (Chinese Taipei), TC304 Risk
 - Marina Pantazidou (Greece), TC306 Geo-Education

Recent news - 2

- New TCs
 - TC309: [Machine learning and Big Data](#) (Chair Zhongqiang Liu, Norway)
 - TC219: [System Performance of Geotechnical Systems](#) (Chair Gang Zheng, China)
 - TC220: [Field Monitoring in Geomechanics](#) (Chair Andrew Ridley, UK)
- Interested Member Societies (MS) invited to provide motivated members *management by MS Officer directly on ISSMGE website*
 - 2 appointed members (with voting right)
 - N corresponding members (without voting right)
- On-going project: new TC on [Mine Waste - Tailing Dams \(South America\)](#)
- *ISSMGE open to any new and constructive idea*

Recent news - 3

- ICSMGE Sydney 2021:

call for proposal to TCs by Organising Committee (20/3/2019)

- TC invited to [manage parallel sessions](#) (like Paris 2013 and Seoul 2017) based on papers accepted by Member societies
- [TC workshops in parallel session](#): on-going discussions
- [Honour lectures in TC parallel sessions](#), if wished
- TC asked for proposals of [plenary State of the Art Lectures](#)

- TC invited:

- To develop [Bright Sparks](#) lectures
- To publish their [Proceedings in Open Access](#)

TC activities

The ISSMGE President's initiatives on Education, Innovation and Diversity

ISSMGE Bull. Oct. 2017

- **Reviewing the functionality and performance of technical committees (TCs):** One of the major missions of the ISSMGE is to advance scientific knowledge in soil mechanics and geotechnical engineering and this would not be possible without our TCs. I envision them contributing to the “ISSMGE university” in a number of ways. The functionality and performance of each TC have a profound influence on the ISSMGE. Under the leadership of the functional TCs, some may be disbar

Course Title

Risk-Mitigation, monitoring & Observational methods

[More Info](#)

In situ testing

[More Info](#)

Earthquake Engineering

[More Info](#)

Foundations

[More Info](#)

Soil Characterisation

[More Info](#)

Geo-Engineering Education

[More Info](#)

Unsaturated Soil Mechanics

[More Info](#)

Prof. Mounir Bouassida, Board member
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ee (TOC),
d. Some

TC activities

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TC activities

Feedback from mid-term report

Up to 36 years old, in connection with
Pdt Charles Ng and Lucy Wu, Chair of
Young Members Presidential Group, see
next slide

[illegible]

Bright Sparks lectures

- TCs encouraged to promote talented young geotechnical engineers through Bright Sparks plenary lectures in their conferences:

ISSMGE Bright Spark Lecture award

Background

To promote young members of ISSMGE to play a major role in various international and regional conferences, the President of ISSMGE – Professor Charles Ng created the Bright Spark Lecture Award for promising young geotechnical engineers/academics to have a chance to deliver keynote and invited lectures at these conferences.

Selection and approval procedure

Each local conference organising committee will be responsible for the preliminary selection of Bright Spark lecturers, in collaboration with the YMPG. The preliminarily selected lecturers together with their CVs will be submitted to the President of ISSMGE for final approval. Although it is intended to provide young members more opportunities, no more than four lecturers should be selected and approved in any single conference.

Each awardee will be invited to give a 20-30 minute presentation at the conference and write a plenary paper. An “ISSMGE BRIGHT SPARK LECTURER” certificate will be given either by the President or his/her representative.

Eligibility

Outstanding and promising young members at 36 or under at the last day of a conference. The member shall be nominated by member societies and the YMPG.

Gap academy – practitioners (CAPG – TOC)

- Transfer from research to practice
- To help practitioners benefit from advances in research

Fundamentals	Laboratory Testing	Laboratory Stress Strain Strength Testing of Geomaterials	TC101
Fundamentals	In-Situ Testing	Ground Property Characterization from In-Situ Tests	TC102
Fundamentals	Numerical Methods in Geomechanics	Numerical Methods	TC103
Fundamentals	Physical Modelling	Physical Modelling in Geotechnics	TC104
Fundamentals	Geo-mechanics	Geo-Mechanics from Micro to Macro	TC105
Fundamentals	Unsaturated Soils	Unsaturated Soils	TC106
Fundamentals	Lateritic Soils	Laterites and Lateritic Soils	TC107

TOC – TC officers meeting in ECSMGE Reykjavik (9/2019)

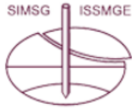
- To consider **gender aspects** in the nomination of Bright Sparks lecturers (mainly men up to now)
- To consider a limitation of the **length of the TC delegate terms**
- Recall on the possibility for TC officers to suggest MS to **replace inactive members** by active and **motivated corresponding members**
- Comments on the **difficulty of constituting membership list** for new TCs
 - no direct contact between member societies and TC officers
 - CV of members not always sent by MS to TC officers

TOC ISSMGE webpage: not to be missed!

- <https://www.issmge.org/committees/board-level-committees/technical-oversight-committee>

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Technical Oversight Committee

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TC ACTIVITIES

You can download

- the TOC activity report 2013 - 2017,
- the TOC presentation to TC officers at the 2017 Seoul Conference,
- the feedback from the CAPG/TOC survey on Bridging the Gap between State of the Art and State of Practice in Geotechnical Engineering,
- the 2017 CAPG/TOC on SoA and SoP in geotechnical engineering survey findings
- The 2019 TOC report at mid-term, to be presented at the forthcoming Council Meeting in Cape Town on 6 October
- the presentation given at the Sept. 2019 TOC - TC meeting in Reykjavik ECSMGE.

TC Officers are invited to promote the Conferences and Workshops they organise through the ISSMGE List of events by using this [link](#) (click on "Submit event").

TECHNICAL OVERSIGHT COMMITTEE

[Pierre Delage](#) | [Board Level Committees](#) | [06-09-2019](#)

The Technical Oversight Committee (TOC) is in charge of supervising the activities of the Technical Committees (TCs) of the ISSMGE. The mission of TCs is to provide technical advice to the members of ISSMGE, and to promote the objectives, activities and the ISSMGE membership. The TCs are a meeting arena for discussing knowledge related to the behaviour of geo-materials, geotechnical engineering, and the state of the art and state of practice in geotechnical engineering.