TOC Report
Cape Town Council Meeting
6 October 2019

Pierre Delage
Chair of the Technical Oversight Committee
Paramount importance of TCs for ISSMGE

• To provide a forum for active participation by the individual members of ISSMGE
• To promote the objectives, activities and results of the technical committees throughout the ISSMGE membership.
Paramount importance of TCs for ISSMGE

• To provide a forum for active participation by the individual members of ISSMGE
• To promote the objectives, activities and results of the technical committees throughout the ISSMGE membership.

The committees are a meeting arena for discussing, developing and applying specialist geotechnical knowledge related to the behaviour of geo-materials, geotechnical engineering and engineering for society.
 Paramount importance of TCs for ISSMGE

- To provide a forum for active participation by the individual members of ISSMGE
- To promote the objectives, activities and results of the technical committees throughout the ISSMGE membership.

The committees are a meeting arena for discussing, developing and applying specialist geotechnical knowledge related to the behaviour of geo-materials, geotechnical engineering and engineering for society.

- To actively participate to the ISSMGE virtual University (including introductory courses, e.g. Machine Learning)
Paramount importance of TCs for ISSMGE

• To provide a forum for active participation by the individual members of ISSMGE
• To promote the objectives, activities and results of the technical committees throughout the ISSMGE membership.

The committees are a meeting arena for discussing, developing and applying specialist geotechnical knowledge related to the behaviour of geo-materials, geotechnical engineering and engineering for society.

• 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

<table>
<thead>
<tr>
<th>Region</th>
<th>Member 1</th>
<th>Member 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>Etienne Marcelin</td>
<td>Kana</td>
</tr>
<tr>
<td>Asia</td>
<td>Eung Shul</td>
<td>Shin</td>
</tr>
<tr>
<td>Australasia</td>
<td>Philipp</td>
<td>Robbins</td>
</tr>
<tr>
<td>North America</td>
<td>Tim</td>
<td>Newson</td>
</tr>
<tr>
<td>South America</td>
<td>Alejo</td>
<td>Sfriso</td>
</tr>
<tr>
<td>Europa</td>
<td>Mario</td>
<td>Manassero</td>
</tr>
</tbody>
</table>

- 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)

• From 301 to 309: Linked to society (9)

* 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
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 group, the technical committee (TOC), some may be disbanded. Some

<table>
<thead>
<tr>
<th>Course Title</th>
<th>More Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risk-Mitigation, monitoring &amp; Observational methods</td>
<td></td>
</tr>
<tr>
<td>In situ testing</td>
<td>More Info</td>
</tr>
<tr>
<td>Earthquake Engineering</td>
<td>More Info</td>
</tr>
<tr>
<td>Foundations</td>
<td>More Info</td>
</tr>
<tr>
<td>Soil Characterisation</td>
<td>More Info</td>
</tr>
<tr>
<td>Geo-Engineering Education</td>
<td>More Info</td>
</tr>
<tr>
<td>Unsaturated Soil Mechanics</td>
<td>More Info</td>
</tr>
</tbody>
</table>

Prof. Mounir Bouassida, Board member
mounir.bouassida@enit.utm.tn
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 board-level committee, the Technical Oversight Committee (TOC), the functionality and performance of existing TCs will be critically reviewed. Some may be disbanded and new ones may be formed.
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
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

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

Technical Oversight Committee

TECHNICAL OVERSIGHT COMMITTEE

The Technical Oversight Committee (TOC) is in charge of super Committees (TCs) of the ISSMGE. The mission of TCs is to promote members of ISSMGE, and to promote the objectives, activities the ISSMGE membership. The TCs are a meeting arena for discussion knowledge related to the behaviour of geo-materials, geotechnical, etc.

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").