

ISSMGE TC222 Geotechnical BIM and Digital Twins Online Workshop

National Geotech Databases & Asset Registers, part 2

Thursday October 24th | 12:00 (Paris) | 18:00 (Hong Kong) | 6:00 (New York)

Duration : 2 hours

with talks from:

Stefan Volken (SwissTopo), Hilikka Kallio (GTK), Stevan Lukic (Civils.ai) and Edward Lewis (BGS)



Starts in a few minutes

Welcome to the 5th ISSMGE TC222 online Workshop!

• Agenda

- **12h00:** Welcome and introduction about ISSMGE TC222 – Magnus Rømoen (10 min)
- **12h10:** Introduction about national geotech database and asset registers – Mickaël Beaufils (5min)
- **12h15:** SwissTopo presentation – Stefan Volken (20min + 5 for Q&A)
- **12h40:** GTK presentation – Hilikka Kallio (20min + 5 for Q&A)
- **13h05:** Civils.ai presentation – Stevan Lukic (20min + 5 for Q&A)
- **13h30:** BGS presentation – Edward Lewis (20min + 5 for Q&A)
- **13h55:** Wrap-up – Mickaël Beaufils (5min)

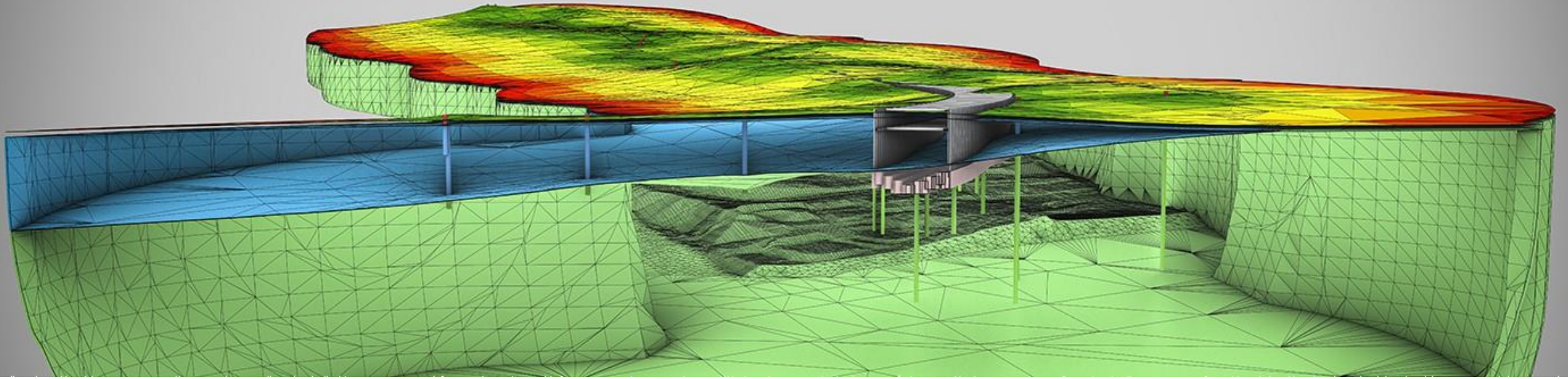
• For Q&A



<https://app.sli.do/event/67BduAjSey6EbSijjALWkp>

Or go to <https://www.slido.com/>
Code: #1057376





Introducing ISSMGE TC222

ISSMGE



- International Society for Soil Mechanics and Geotechnical Engineering
- 90 members societies / national bodies and around 20,000 individual members
- 37 Technical Committees: 7 about Fundamentals (TC1xx), 21 about Applications (TC2xx), 9 about Impact on Society (TC3xx)
- TC222 : BIM & Digital Twins for Geotechnics



More info: <https://www.issmge.org/>

TC222 Council



Chair

Magnus
Rømoen

-

NGI



Vice-chair

Mickaël
Beaufiles

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BRGM



Secretary

Mats
Kahlström

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Eviny



Core members

Jelena
Ninic

-

University
of
Birmingham



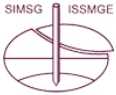
Raymond
Koo

-

Hong-Kong
City



Follow us



- On our website:

- <https://www.issmge.org/committees/technical-committees/applications/geotechnical-bim-and-dt>



- On LinkedIn:

- <https://www.linkedin.com/company/issmge-tc-222/>

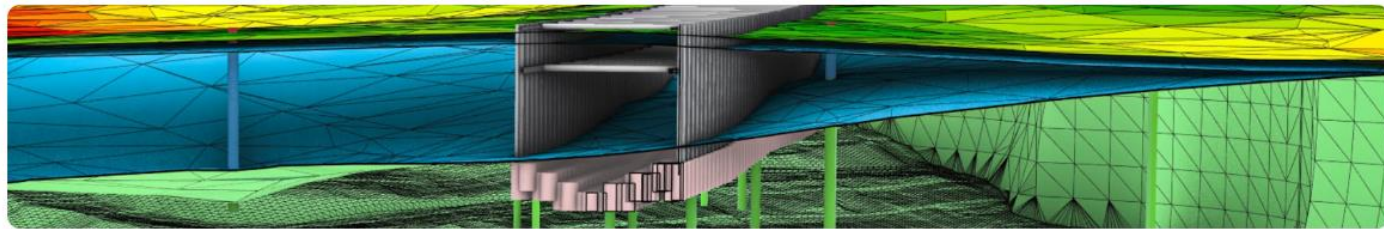


- On Youtube:

- <https://www.youtube.com/channel/UC7eMKzvagK7DN3MnIvK7yCQ>



Previous workshops recordings are available!



- <https://www.youtube.com/channel/UC7eMKzvagK7DN3MnIvK7yCQ>




- https://github.com/openg eospatial/Geotech/tree/master/ISSMGE_TC222

ISSMGE TC222
@issmgetc2226 · 107 abonnés · 3 vidéos
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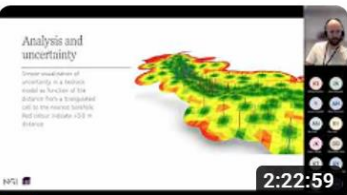
ISSMGE TC222 Geotechnical BIM and Digital Twins
Online Workshop
Digital standards for geotechnical data
Thursday April 4th | 14:00 (Paris) | 8:00 (New York) | 20:00 (Hong Kong)
Duration: 2 hours
with video from:
Neil Chadwick (AGS Data Management (AGS), San Pedro (DARPA) Steering Committee),
James Ward (BGS TC Tunnel Construction) and Michael Reynolds (DSC Construction)
AGS DiGGS Building 2:07:31

3rd ISSMGE TC222 workshop
- Digital Standards for...
303 vues • il y a 11 jours



TC222 Council
Chair: Neil Chadwick
Vice chair: Michael Reynolds
Secretary: James Ward
Co-secretary: Michael Reynolds
Co-members: Neil Chadwick, James Ward, Michael Reynolds, Neil Chadwick, James Ward, Michael Reynolds
2:21:22

2nd ISSMGE TC222
workshop - Frontiers in...
217 vues • il y a 2 mois



Analysis and uncertainty
Dense analysis of uncertainty in models
model as function of the
distance from a horizontal
cut to the main tunnel;
and other related work in
progress
2:22:59

1st ISSMGE TC222 workshop
1 k vues • il y a 1 an



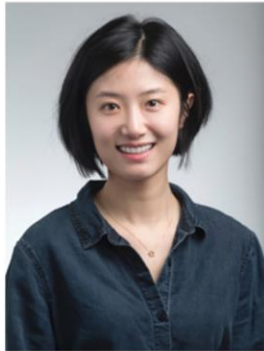
Interactive Technical Talk (Episode #17)

IITT Speakers - TC222 Geotechnical BIM and Digital Twins



Mickaël Beaufils
Data Engineer,
BRGM, France.
(Vice-chair of TC222,
Chair of OGC
GeoScienceDWG)

Digital standards
for FAIR
geotechnical data



Amanda Huang
Lecturer, Department of
Civil and Construction
Engineering, Swinburne
University of Technology,
Australia
(TC222 Member)

From BIM to Digital
Twin for Underground
Construction



Ashtarout Ammar
Assistant Professor,
Myers-Lawson School of
Construction, Virginia
Tech, USA

Digital Twins for
Transportation Asset
Data Management



Sankar V S
Director, Digital Services
Leader (East Asia – Arup)
(Co-Chair Hong Kong
Internet of Things
Alliance)

Citywide Digital Twin
enabled by Artificial
Intelligence

- <https://www.youtube.com/watch?v=MOhqj3TsXfo>



Become an ISSMGE TC222 member

- Please get in touch with your national society
- <https://www.issmge.org/the-society/member-societies>



First ever physical TC222-meeting

- Held August 26th during ECSMGE2024 in Lisbon
- Members present:
 - Rie Wada, Japan
 - Nejan Huvaj Sarihan, Turkey
 - Ilknur Bozbey, Turkey
 - Mats Svensson, Sweden
 - Mehran Naghizadeh, Germany
 - Andre Henriques, Portugal
 - Alp Gökalp, Turkey



ICSMGE 2026

- Vienna June 14th-19th 2026
- Abstract submission deadline:
November 30th 2024
- The topics of the conference are in line with the Technical Committees (TCs) of ISSMGE. Each author is required to select one primary and two secondary TCs their contribution should be assigned to
- TC222 will be responsible for the session with the “Geotechnical BIM and DT”-papers



21st International Conference on Soil Mechanics and Geotechnical Engineering