



WG 9 – Seismic Effects

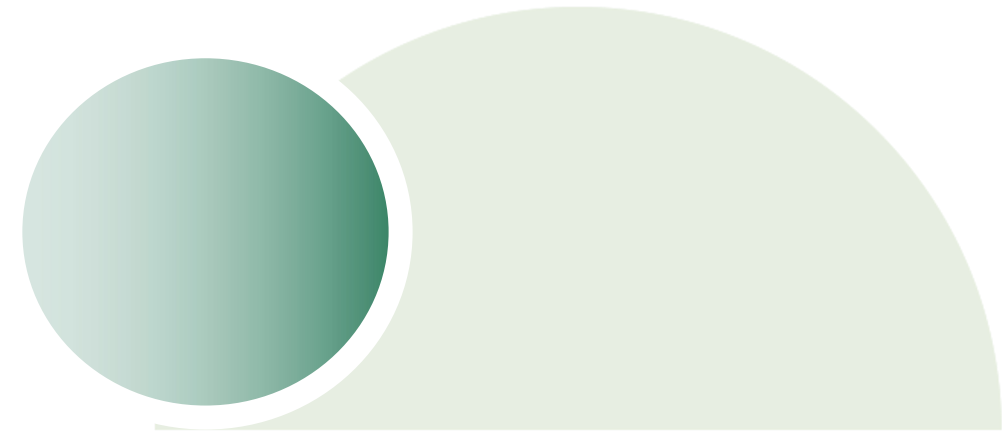


- Animateur: Conrad W. Felice (USA)
- Vice Animateur: Haitao Yu (China)
- Tutor: Ioannis Fikiris (Greece)

Meeting report:

- Hybrid with 16 attendees from 9 member nations
- Special presentation from Prof. Fawu Wang of Tongji University on the recent earthquake in Turkey

Scope: Seismic planning, design, construction, performance, maintenance and operation of tunnels and underground structures, supporting sub-systems and interactions with surrounding infrastructure.





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ACTIVITIES

- Participated in the lunchtime lecture series hosted by ITA-CET in September 2022
- Seismic design of tunnels and underground structures: synthesis of literature, standards and current practice.
 - Regular monthly meeting beginning January 2023
 - Final draft ready for review: September 1, 2023
- Accessible database of tunnel seismic related reference material

Task Force members:

Angel DEL AMO: Aldea Services

Freddy DURAN: EQELS Co., Ltd. EIRL

Conrad FELICE: C. W. Felice, LLC

Youssef HASHASH: University of Illinois

Andrew HINDMARCH: Mott McDonald

Fauzy SIDDIQUI: Mott McDonald

Haitao YU: Tongji University





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FUTURE ACTIVITIES

- Euro Code 8 update
- Hashash 2001 update
- White paper on seismic issues related to long and deep tunnels



PERGAMON



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Tunnelling and
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Seismic design and analysis of underground structures

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