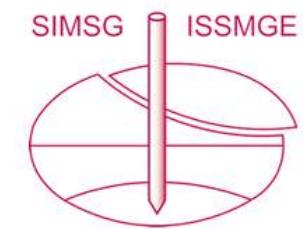


WEBINAR



MALAYSIAN
GEOTECHNICAL
SOCIETY
(PERTUBUHAN
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Behaviour and Performance of Geosynthetic Reinforced Pile- Supported Embankments

8th April 2026

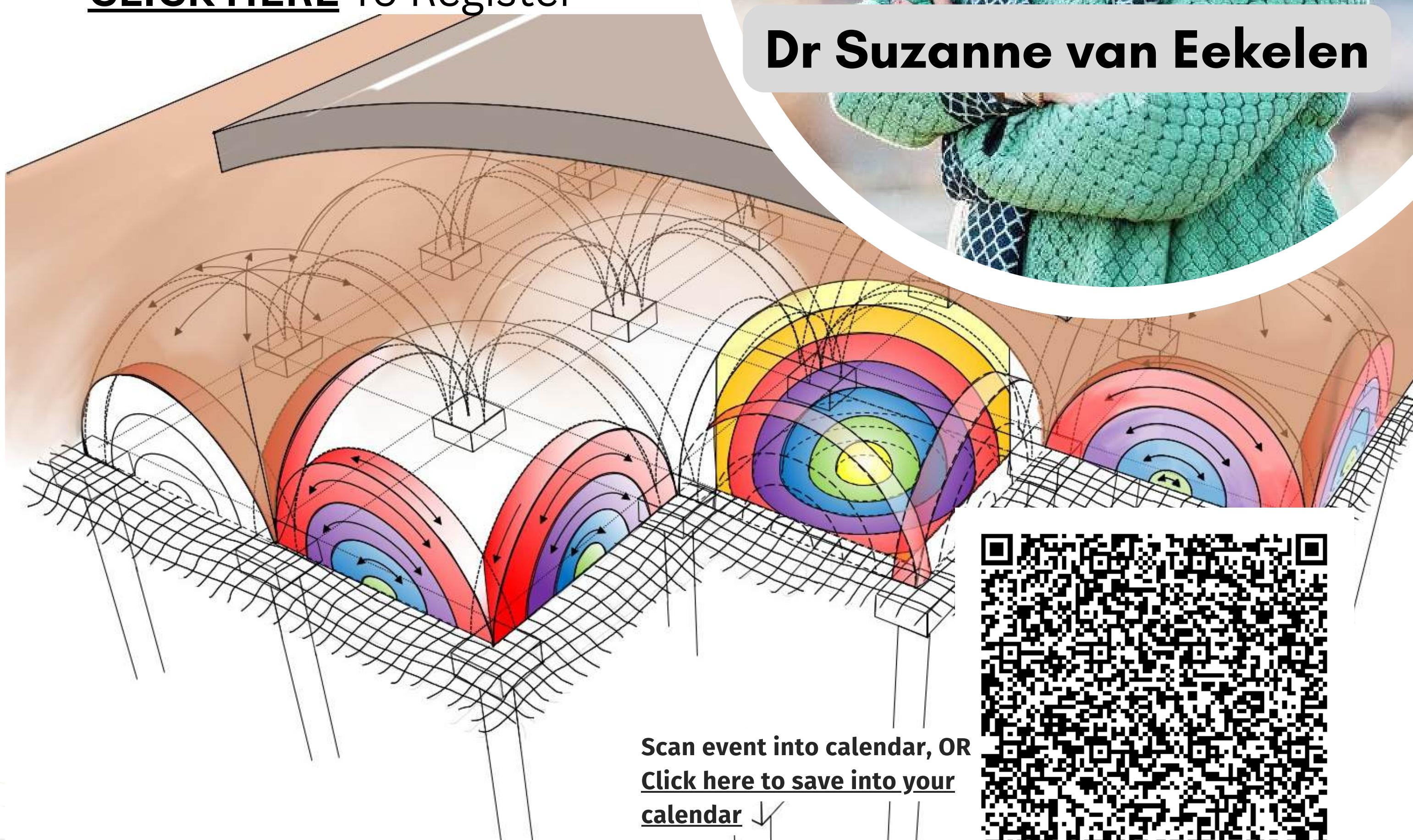
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Dr Suzanne van Eekelen



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MGS Webinar by Dr Suzanne van Eekelen



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SYNOPSIS

Geosynthetic-reinforced pile-supported embankments have been increasingly used worldwide to support earth structures. A significant amount of research has been conducted by many researchers and engineers in recent years.

This lecture provides a state-of-the-art review of this technology, and of important developments and results obtained throughout the years that help to better understand the mechanisms that play an important role in the design, construction, and performance of these systems.

Soil arching plays an important role in the load distribution within the system, the presentation will provide a detailed explanation of this soil arching.

SPEAKER BIODATA

Dr. Suzanne van Eekelen is an adviser and researcher in geo-engineering, specialising in geosynthetic reinforcement, particularly in basal reinforced piled embankments. She also specialises in physical modelling and field monitoring. Dr. van Eekelen received her MSc and PhD from the Delft University of Technology in the Netherlands.

Dr. van Eekelen has published over 150 peer-reviewed papers and delivered more than 50 keynotes, invited lectures, and short courses worldwide. Her research on geosynthetic-reinforced pile-supported embankments earned her several awards, including the IGS Award from the International Geosynthetics Society.

Currently, she is involved in various consultancy and research projects, concerning retaining walls, industrial areas, forensic engineering, various applications of geosynthetics and durability of geosynthetics. Suzanne chairs the Dutch Design Guideline working groups 'Geosynthetic-reinforced Pile-supported Embankments', 'Retaining walls of reinforced soil' and the workgroup 'Reinforced Fill and Soil Nailing' for the Dutch Annex of Eurocode7.

Starting April 2025, webinar presentation slides will ONLY be made available in the MGS Website Members Area upon speaker's consent.

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- ✓ Each approved registrant will receive a unique Zoom link for the webinar.
- ✓ A minimum attendance of 75% is required in order to obtain a certificate of attendance.