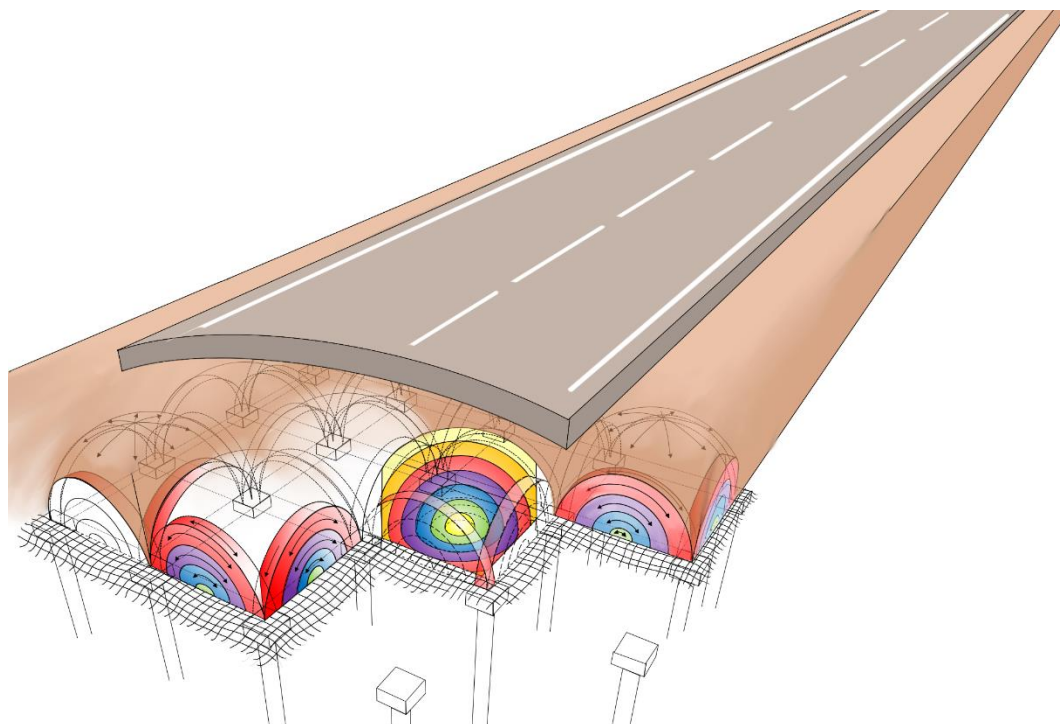


# INSIGHTS IN GEOSYNTHETIC-REINFORCED PILE-SUPPORTED EMBANKMENTS

This presentation offers an in-depth exploration of the behaviour of geosynthetic reinforced piled embankments.

These structures are being increasingly used worldwide to support earth structures for roads, railways, and residential or industrial areas. Extensive research conducted by engineers and researchers over recent decades help to better understand their behaviour.

This lecture will provide a state-of-the-art review of this technology, diving into the fundamental mechanisms that play an important role in the behaviour of these systems. Soil arching plays a crucial role in the load distribution within the system. The presentation will provide a detailed explanation of how this soil arching develops in these systems.



## WHEN

Friday 29 November  
2024

## START TIME

9:00 AM Central  
European Time  
7:00 PM Sydney

## LOCATION

Online (Zoom Link)  
<https://utsmeet.zoom.us/j/89658918418>

Participants can join the on-line presentation directly by using the provided link but can send an expression of interest to the Event's Contact to receive a reminder notification.

## EVENT CONTACT

For more information, please contact:  
Dr Babak Hamidi via  
[babakhamidi@hotmail.com](mailto:babakhamidi@hotmail.com)

## About the Speaker

Dr. Suzanne van Eekelen is an adviser and researcher in geo-engineering. She is expert in the field of geosynthetic reinforcement, in particular piled embankments. She also specializes in laboratory experiments and field monitoring. She received her MSc and PhD at the Delft University of Technology in the Netherlands.

Suzanne has won several awards, including the IGS Award of the International Geosynthetics Society for her research on geosynthetic-reinforced pile-supported (GRPS) embankments.

Currently, she is involved in various consultancy and research projects, concerning retaining walls, industrial areas, various applications of geosynthetics and forensic engineering. Suzanne is chairing the Dutch Design Guideline working groups 'Geosynthetic-reinforced Pile-supported Embankments' and 'Retaining walls of reinforced soil'.

Dr Suzanne van Eekelen

