

# 29 NOV 2018

16:00-17:30  
MND Auditorium

Networking & Registration  
from 15:30 - 16:00

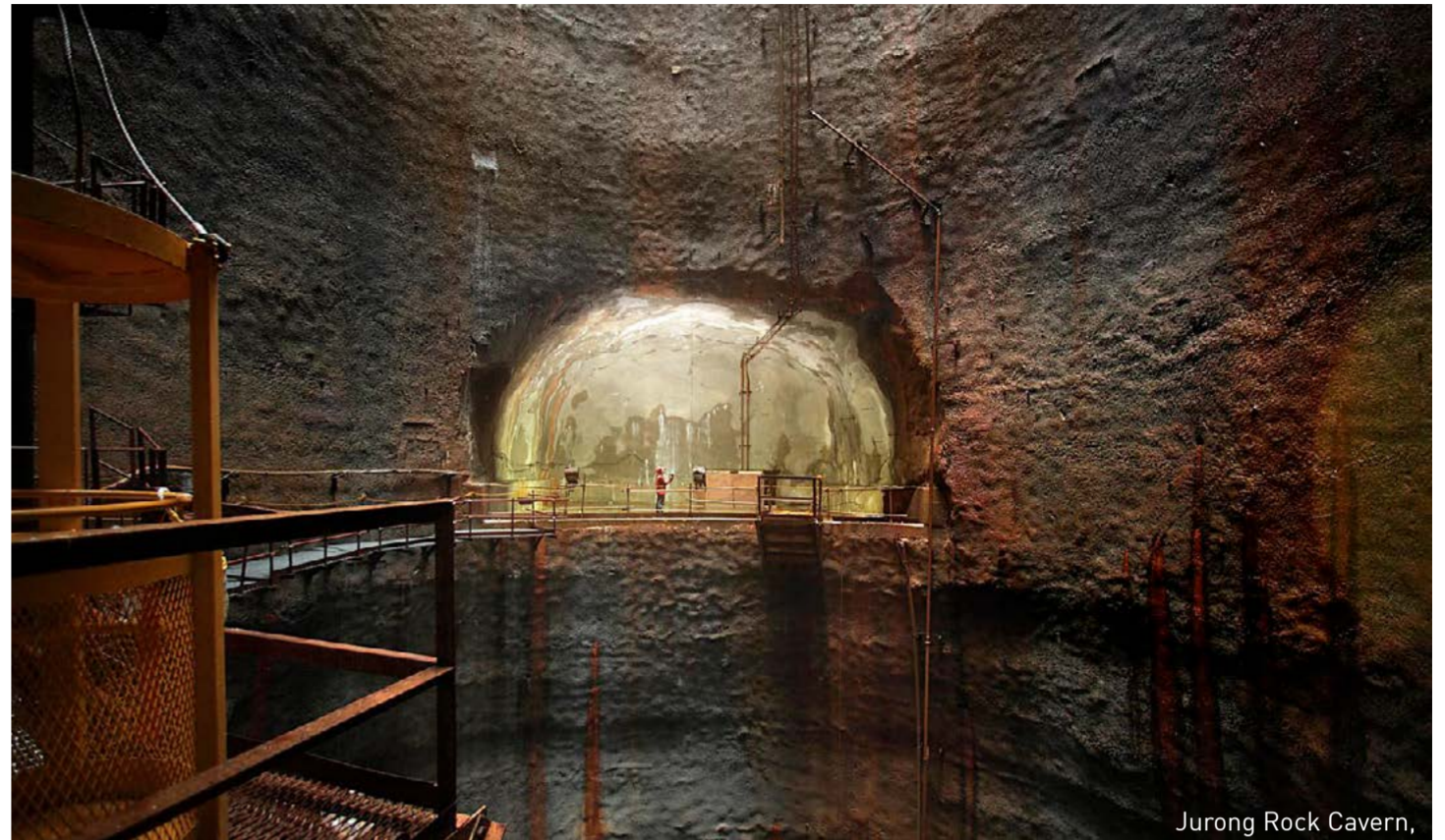
Free Admission  
Register **HERE**

## Uncovering the Underground



In the face of increasing land scarcity, developing underground spaces would be the next frontier for Singapore's urban planning. Currently, these spaces are reserved mainly for transportation. However, through a Underground Masterplan and technological innovation, spaces for other infrastructure, logistics and even research could be shifted below ground, leaving more surface land for housing and recreation.

In this lecture, Prof Yong Kwet Yew will be sharing his research on underground land use in Singapore. What are the key policy, economic, technical and human behaviour drivers affecting its development and what can be learnt by studying the creative use of subterranean spaces worldwide? A panel consisting of experts from both the public and private sectors will also discuss how to further develop underground spaces and what we can look forward to in the future.



Jurong Rock Cavern,



Speaker

**Prof Yong Kwet Yew**  
Professor of Civil Engineering  
and Senior Vice President  
(Campus Infrastructure),  
National University of  
Singapore  
Scientific Lead and Co-Chair,  
MND/NRF Land & Liveability  
R&D Committee

Prof Yong Kwet Yew is a Professor of Civil Engineering at the National University of Singapore, and is an expert in the field of geotechnical engineering, tunneling and underground construction. He is the Scientific Lead and Co-Chair of the Ministry of National Development and National Research Foundation's Land & Liveability R&D Committee, which has a focus on Space and Sustainability, as well as the Cities of Tomorrow Programme. Prof Yong has published over 200 technical publications, been involved in over 100 major infrastructure projects and chairs several professional and government committees including the International Panel of Advisers to the Land Transport Authority.



Moderator

**Dr Hossein Rezai**  
Director of Web Structures,  
Singapore & Milan Research  
Lab

Dr Rezai is an engineer, a design visionary and an educator. One of the initiators of the concept of "fusion engineering", he is the first and only engineer to receive the coveted title of "Designer of the Year" from the President of Singapore under the President's Design Award in 2016. He is passionate about advanced computational design, and a holistic approach to architecture + structure + environment. Dr Rezai's high-profile contributions to industry discourse include his recent service as a member of the Aga Khan Award for Architecture's Master Jury (2016), and as a Jury member for the President's Design Award (2017 - 2018), amongst many other competitions and awards.



Panellist

**Ms Adele Tan**  
Group Director  
(Strategic Planning)  
Urban Redevelopment  
Authority

Adele Tan is Group Director of Strategic Planning at URA, responsible for long-term land use planning for Singapore. In her 20 years of public service, she has been involved in a broad range of land use planning areas, from planning for an aging population, to developing a master plan for our underground space.



Panellist

**Mr Peter Stones**  
Senior Engineer  
(Civil and Environmental)  
Arup

Peter Stones is a Senior Engineer at Arup. He co-authored "Underground Space Development: Key Planning Factors" following a benchmarking study with URA informing the development of Singapore's future Underground Space Master Plan. He also has a long track record of practical underground space planning regionally and was the lead planner in projects such as the Jurong Lake District Underground Space Master Plan.