

## **Theme Lecture 15**

**Mr. U Kar Winn**

Geomotion (Singapore) Pte Ltd, Singapore



### **Theme Lecture Title**

**Stability Analysis of Geology Structures  
Controlled Tunnel Profiles**

Mr. U Kar Winn received his B.Sc (Geology) from Rangoon Arts & Science University, Myanmar in 1976, M.Sc. (Geotechnical Engineering) and M.Sc. (International Construction Management) from Nanyang Technological University, Singapore in 1999 and 2005 respectively. In Myanmar, he worked as research assistance in Applied Geology Department after his graduation. Then he works as an Exploration Geologist with Myanmar Oil Corporation and Myanmar Shell B.V. He migrated to Singapore in 1993 and worked with various companies till now. He has published some technical papers on Residual Soils of Singapore, Pressure-meter testing & interpretation methods, Deep Excavation Practices of Singapore and Jurong Rock Cavern Projects.

#### Education:

B Sc. (Geology), Yangon University, Myanmar, 1977

M Sc. (Geotechnical Engineering), Nanyang Technological Univ., Singapore, 1999

M Sc. (International Construction Management), N T U, Singapore, 2005

Part Time Ph D Candidate, NTU, Singapore (2013-2020)

#### Professional working Experience:

2016 Jan – Present: GEOMOTION (SINGAPORE) PTE LTD, formerly GeoLS Pte td : Sr. Project Manager / Professional Geologist

2014 June – 2015 Dec: Presscrete Engineering P/L : Principal Geotechnical Engineer

2009 Nov – 2014 May: SINTEF-TRITECH-MULTI CONSULT (Project management Team, Jurong Rock Cavern Project: Sr. Principal Geologist

2009 Feb – October: Worley Parsons (Singapore) : Senior Geotechnical Engineer

2004 - 2009: Sembawang Engineers & Constructors P/L (formerly Semb Corp E & C): Principal Geotechnical Engineer

2001 –2004: ST Architects & Engineers P/L : Engineering Geologist

1993 – 2001: Soil & Foundation P/L : Senior Geotechnical Engineer (Singapore)

1978 - 1993: Myanmar Shell B.V and Myanmar Oil & Gas Enterprise, Myanmar

#### Research field:

1. Soil mechanics & rock mechanics
2. Underground rock cavern construction and Tunnelling
3. Numerical analyses in geotechnical engineering
4. Geotechnical site investigation
5. Geotechnical Instrumentation