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## Technical Talk

### Cost Implications of Underground Space Characteristics

Presented by Dr. Raymond Sterling

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**Time:** 11 June 2013, 6:30pm for 7:00pm starts

**Venue:** 3/F Meeting Room, Mariners Club, Middle Road, TST.

#### Synopsis

A key issue for underground space use is its typically high initial costs relative to its surface counterpart. This lecture will explore the project constraints and design issues that affect the construction cost of underground space together with an examination of how indirect/social costs, operational costs and land value changes can impact the overall life cycle cost equation. A number of worldwide examples will be used to illustrate the talk and to point out some of the challenges in making underground space use a long-term success.



#### Speaker

Dr. Sterling is a Professor Emeritus at Louisiana Tech University. From 1995 to 2009 he was the Contractors' Educational Trust Fund Professor of Civil Engineering and Director of the Trenchless Technology Center at Louisiana Tech University. Previously, from 1977 to 1995, he was the founding director of the Underground Space Center at the University of Minnesota. He is the current President of the Associated research Centers for Urban Underground Space and the Vice Chairman of the Committee on Underground Space of the International Tunnelling and Underground Space Association. He has authored a wide range of technical papers and reports related to underground space use, underground construction, geomechanics and trenchless technology and serves as a Senior Editor of the international journal Tunnelling and Underground Space Technology.

#### Registration and Enquiries

No prior registration is required. Attendance certificate for 1hr CPD will be provided. For enquiries, please contact Chris WONG at [secretary@iom3.org.hk](mailto:secretary@iom3.org.hk).