

# Technical Seminar

## Cash, time and carbon savings when using Geogrids in pavement construction

**Date:** 24 October 2019 (Thursday)

**Time:** 7:00 to 8:30 pm

**Venue:** Room P503, Graduate House, The University of Hong Kong

**Registration:** [LINK](#) or QR Code



### Abstract

Since their invention by Tensar in late 1970s, several hundred million square metres of polymer geogrids have been laid within unbound aggregate layers supporting tens of thousands of roads, airports, and other trafficked areas, both temporary and permanent, in many countries around the world, under a wide variety of climates and soil conditions. This tried and tested approach, accepted by many highways and other authorities around the world, can decrease the need for aggregate layer thickness by up to 50% and increase traffic capacity by up to six times that of traditional designs, thereby reducing the maintenance and repair burden on owners and operators and saving hundreds of thousands in cost. Geogrids can be laid over most types of subgrade soils thereby eliminating the need to excavate and replace unsuitable materials. They can also be used with recycled, site-won fills thereby providing fast, sustainable and environmental friendly solutions.

This presentation will explore the origin and evolution of geogrids, explain their soil strengthening mechanism, compare the superior performance of geogrid stabilized flexible pavements to traditionally constructed flexible pavements and it will conclude by demonstrating practical material, cost, time and carbon savings through a plethora of real life case studies from America, Europe, and the Middle East.



### About the Speaker

Yuli is a Chartered Engineer (CEng), a member of the Hong Kong Institution of Engineers (G) and a Fellow of the Institution of Civil Engineers (FICE) with over 24 years geotechnical and civil engineering experience in Hong Kong, United Kingdom, Europe, Middle East, Russia, Asia Pacific, and the Americas. She worked in Hong Kong for 9 years until 2005, after which she moved to the UK and was employed as the Chief Civil Engineer of Tensar International, the inventor of polymeric soil reinforcing and stabilising geogrids.

Yuli is the immediate past Chair of the UK Committee of the International Geosynthetics Society and a Liveryman and Court Assistant of the Worshipful Company of Engineers. She is also a registered STEM Ambassador and the first civilian to become a Fellow of the Institution of Royal Engineers (FInstRE) in May 2018.



**Ir Yuli  
Chaido Doulala-  
Rigby**

**Chief Civil Engineer  
Tensar International  
Limited**

For enquiries, please contact:

**Dr. Gordon LEUNG at 6012 7113 (Chairman, CIHT HKR) or Dr. Ryan WONG at 9645 3442**

**\*\*The seminar will be conducted in English\*\***

**- All attendees will receive an attendance CPD certificate**