

The loss of bulk ore carriers at sea – some geotechnical aspects

Professor David W Hight

Senior Consultant and Founding Director of the Geotechnical Consulting Group

Seminar overview:

There are many cases of vessels foundering when carrying cargoes of nickel ore, iron ore fines and one case of a vessel carrying bauxite ore. Cargo liquefaction is often cited in the shipping world as the cause of the loss. This supposition will be questioned in the talk, taking into account the potential modes of instability of the cargo heaps, the properties of the unsaturated and uncompacted ores, and the complex stress paths to which they are subjected.

Biography:

Professor Hight is a Senior Consultant and Founding Director of the Geotechnical Consulting Group. He has vast experience in both industry and academia. He was a lecturer at Imperial College London, the National University of Singapore and Massachusetts Institute of Technology. He has published widely on the subjects of soil behaviour, offshore geotechnics, soil sampling, laboratory testing, stability problems, earthworks and foundations. He delivered the 38th Rankine Lecture in 1998. He was elected to the Royal Academy of Engineering in 2001 and he was recently elected as a Fellow of the Royal Society.



When and where:

Wednesday, 26 October 2016, 19:00

Webb Library, Jesus College

Queries:

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