

Westmorland Geological Society

The Ukay Perdana Shear Zone in Kuala Lumpur: a crustal-scale early Jurassic link with Singapore Wednesday 17th February 2021

Dr Graham Leslie, BGS Edinburgh

Lecture will be hosted on Zoom,

19.20 for a 19.30 start

Kuala Lumpur and Singapore lie on opposite sides of the Bentong-Raub Suture Zone, the locus of early Jurassic amalgamation and consolidation of the Sibumasu Block with the southern part of the Sukhothai Arc and Indochina-East Malaya Block. Kuala Lumpur is setting out to address the Urban Geological challenges that Singapore (along with all other modern cities) must do. The geology of Kuala Lumpur is just as fascinating as that of Singapore, and just as hidden! We will explore the geological links that exist between these two cities, including the possibility that the newly discovered Jalan Wangsa Shear Zone, a more than 300m thick ultramylonite zone beneath Kuala Lumpur, may actually be the convergent plate boundary. Subsurface development across Peninsular Malaysia, and in Kuala Lumpur and Singapore in particular, should take this record of Mesozoic tectonics into account.



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