

Characterization of Permafrost Actives Layer Using Ground Penetrating Radar: Its Implications for Science and Engineering

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In this talk I will start from the general introduction of the response of permafrost to climate change and human activities and the way of its characterization. I then focus on

the application of ground penetration radar to the study of permafrost in Alaska and Tibet, with my personal touch. I will discuss some of the latest developed techniques in data processing in geophysics such as the deterministic deconvolution and reverse time migration and present the processing results. I conclude the talk by the discussion of the implications of the results and the potential development and extension in the future.

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Mong Man Wai Building**



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