Opportunity for PhD studies on Unsaturated Geomaterials and Contaminant Transport

Two scholarships are available for PhD studies commencing in June/July 2019. The scholarships will provide support for three years on a full-time basis for a research project leading to a PhD.

**Project 1:** The project is aimed at developing an experimentally validated theory of the behaviour of geosynthetic clay liners (GCLs) under high temperatures and salt gradients that will lead to a significant improvement in the understanding of their hydraulic behaviour. The PhD will focus on the evaluation of temperature effects, wet/dry cycles salt gradients and stress changes on the water retention curves (WRCs) of geosynthetic clay liners.

**Project 2:** The project will focus on contaminant transport through lining systems. Particular emphasis will be given to chemical compatibility issues between a suite of emerging contaminants and geosynthetic clay liners. This project aims at providing practitioners with better tools to estimate the design life of hydraulic barriers systems.

Applicants should have an Honours 1 or 2A degree in Engineering or Science and an interest in analytical and experimental research. The scholarship value is $27,872.00 per annum for 3.5 years, with the possibility of a top-up depending on academic standing and/or experience. The potential for further earning is also possible through tutoring.

For further information, contact Prof. Malek Bouazza, at malek.bouazza@monash.edu. Applications including a curriculum vitae, a copy of academic transcript, names and contact details of at least two referees should be sent to the above email address.