



深地科学论坛（第七十二讲）

Interactions of THMC processes governing fluid flow and transport behavior in fractured rocks

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时 间： 2023 年 12 月 13 日 14:30

地 点： 腾讯会议： 571-525-653

邀请人： 刘江峰



Hide Yasuhara is a Professor in the department of urban management, Kyoto University, JAPAN from April 2023. He joined department of civil and environmental engineering at Ehime University in 2005 as assistant professor, was promoted to associate professor in 2007, and to professor in 2016. His research interests include Rock mechanics and engineering , earth physics, fault mechanics, computational mechanics , flow and transport in porous fractured rocks , under coupled thermal, hydraulic, mechanical, and chemical processes to address issues on sequestration of high level radioactive wastes and CO₂ and recovery of subsurface energy (e.g., geothermal energy, unconventional oil and gas, methane hydrate) The development of Enzymatically Mediated Calcite Precipitation(EMCP) method has been also studied for soil Moreover, the development of monitoring system for slope movement has been conducted using LPWA networking. Prof. Yasuhara has published over 120 peer-reviewed papers. In 2006, he won the N. G. W. Cook Award and, since then, has won numerous best paper awards. As a Principal Investigator, he chairs 6 research projects in the past five years.

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