

**13:20-15:00 Wednesday Oct. 31 2018**

**Geoenvironmental Aspect in Energy Geotechnology I**

**Chairs: Tomoyoshi Nishimura, Yuemiao Liu  
Room: Boardroom**

**1. A preliminary simulation of CO<sub>2</sub>-EOR and storage in one heavy oil carbonate oilfield offshore Guangdong, China**

*Pengchun Li\* (China), Jiemin Lu, Di Zhou, Xi Liang*

**2. Mixed Region Simulation on Subsurface Gas Storage of CO<sub>2</sub> and CH<sub>4</sub> in a Power-to-Gas System**

*Jianli Ma, Qi Li\* (China), Michael Kühn, Xiaying Li*

**3. Carbon sequestration in Malaysian oil palm plantations – An overview**

*Nik Norsyahariati Nik Daud\* (Malaysia), Anijiofor Sandra Chinenyenwa, Thomas Hywel Rhys, Lum Ken, Hosking Lee*

**4. Non-isothermal gas flow during carbon sequestration in coalbeds**

*Min Chen\* (UK), Lee J. Hosking, Hywel R. Thomas*

**5. Numerical simulation of subsurface uranium (U) leaching and migration under geologic carbon storage conditions**

*Liwei Zhang\* (China), Xiuxiu Miao, Yan Wang, Hongwu Lei, Xiaochun Li*

**6. Surface Monitoring Strategies at CO<sub>2</sub> Storage Sites**

*Matthew Myers\* (Australia), Cameron White, Alf Larcher, Bobby Pejic*

**7. Deformation and saturated permeability characteristics of bentonite-sand mixtures saturated on salt solution**

*Wenjing Sun\* (China), Cheng Liu*

**8. Evaluating Influence of Cementation in Bentonite Buffer Material Based on the Swelling Properties of Bentonite Ore**

*D. Ito\* (Japan), H. Komine, S. Morodome, T. Sekiguchi, G. Miura*

**9. Dissolved CO<sub>2</sub> injection to eliminate the risk of CO<sub>2</sub> leakage in geologic carbon storage**

*Victor Vilarrasa\* (Spain), Maria Pool, Silvia De Simone, Jesus Carrera*

**10. A prediction method for swelling deformation of bentonite and its s and-mixtures in salt solution**

*G. S. Xiang\* (China), Y. Wang*

