

# Jonathan Poh



Research Fellow (Geology)  
BSc, MSc, PhD  
Email: [jonathan.poh@ntu.edu.sg](mailto:jonathan.poh@ntu.edu.sg)

## ACADEMIC HISTORY & PROFESSIONAL EXPERIENCE

### Education:

- BSc - Geology and Resource Economics: University of Western Australia, Perth, Australia
- MSc – Research: University of Western Australia, Perth, Australia
- PhD: Geoscience Rennes, University of Rennes 1, Rennes, France

### Career details:

- 2021 – present: Research Fellow (Geology), Energy Research Institute @ NTU, Nanyang Technological University, Singapore
- 2015 – 2016: Student Geoscientist, AngloGold Ashanti Australia, Perth, Australia

### Member of Professional Societies

- Member – Asia Oceania Geosciences Society, since 2019
- Member – Society for Rock Mechanics & Engineering Geology (Singapore), since 2021
- Member – European Geoscience Union, since 2017

## RESEARCH INTEREST

### Main Research Interest

- Geological modelling
- Geothermal and mineral resource quantification
- Tectonics
- Fluid-thermal numerical modelling
- Lithospheric-scaled Thermo-mechanical modelling

### Current Research Project

- ERIAN/CEE: Geothermal-driven technologies for passive enabling of urban sustainability solutions

## PUBLICATIONS

- **Poh J., Yamato P., Duretz T., Gapais D., Ledru P., (2020)** Precambrian deformation zones in compressive tectonic regimes: A numerical perspective. *Tectonophysics*, DOI: 10.1016/j.tecto.2020.228350
- **Poh J., Eldursi K., Yamato P., Chi G.X., Ledru P., Duretz T., (2019)** Influence of inherited structures as fluid-thermal conduits applied to the formation of uranium mineralisation in the Athabasca Basin, Canada. *Proceeding of the 15th SGA Biennial Meeting, 27-30 August 2019, Glasgow, Scotland, pages 40-43.*
- **Poh J., Thébaud T., Wellmann F., Lindsay M., Rey P., Florentini M., (2015)** Fluid flow and rock permeability considerations for Au mineral systems: Inputs from numerical simulations. *Proceeding of the 13th SGA Biennial Meeting, 24-27 August, Nancy, France*
- **Wellmann J.F., Lindsay M., Poh J., Jessell M., (2014)** Validating 3-D structural models with geological knowledge for improved uncertainty evaluations. *Energy Procedia 59:374 – 391*, DOI: 10.1016/j.egypro.2014.10.391