# University of Nottingham Geotechnical Early Careers Seminar 2022

**Register online here!**

## Event Schedule- 23rd March

| Time | Activity | Who |
|---|---|---|
| 2:00pm – 2:30pm | Welcome | UoN, BGA, FPS |
| 2:30pm – 3:00pm | *A new tool for the prediction of pile driving ground motions* | Athina Grizi |
| 3:00pm – 3:30pm | *Can we estimate the stiffness and mass of OWT monopiles using data from installed sensors?* | Luke Prendergast |
| 3:30pm – 4:30pm | Presentations from external organisations | |
| 4:30pm – 6:00pm | Poster session and networking with tea/refreshments | |

*Rooms to TBA*

| Poster Title | Presenter |
|---|---|
| A CPT-based multi-spring Winkler model for OWT monopiles | Jacques Tott-Buswell |
| A Micromechanical Approach to Soil-Structure Interface Research | Angus Pettey |
| Towards sustainable development: Spoil-structure interaction for onshore wind turbines | Ge Cui |
| The application of micro-mechanical research on coarse grained soils to create an "avatar" railway ballast | Mathias Tolomeo |
| Particle-Scale Modelling of Clay | John de Bono |
| Probabilistic response of pit slope under cyclic drawdown of reservoir water | Koushik Halder |
| Towards sustainable development: Stability of open-pit mines under drawdown and flooding conditions | Naman Kantesaria |
| Numerical modelling of pile group effect in a raft system on a heterogeneous clay deposit | Phi Doan |
| Centrifuge Modelling of Tunnelling beneath Single Pile Foundations in Dense Sand: Effect of Pile Cap, Pile Base and Head Load | Chuanjin Tang |
| Dynamic Soil-Pile Interaction for Emerging Large-Diameter Monopiles Supporting Offshore Wind Turbines - A Finite Element Model Updating Approach | Andreas Ioakim |
| Vibration suppression of offshore wind turbine foundations using active control techniques | Emanuel Rergis |
| Inertial effects in just-saturated axisymmetric column collapse | William Webb |