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Postdoctoral Scholar

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Education

- PhD of Civil Engineering
University of Illinois at Urbana Champaign
2018.09 – 2023.05

Publications

- Stark, T. D. and **Lin, J.** (2021) Ground Motions Associated with 2011 Mineral, Virginia, Earthquake. *ASCE Geo-Extreme 2021*.
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- Stark, T. D., **Lin, J.** and Thalhamer, T. (2021) Managing Hurricane Debris and Elevated Temperatures. *ASCE Geo-Extreme 2021*.
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- Stark, T. D., Moya, L. and **Lin, J.** (2023) Rates and Causes of Tailings Dam Failures. *Advances in Civil Engineering*. <https://doi.org/10.1155/2022/7895880>
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- Stark, T. D., **Lin, J.**, & Gimenes, E. D. A. (2023). Pore-water pressure accumulation during closely spaced earthquakes: Fundão Tailings Dam. *Applied Earth Science: Transactions of the Institute of Mining and Metallurgy*, 132(1), 16-35. <https://doi.org/10.1080/25726838.2022.2147682>
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- **Lin, J.**, Stark, T. D., Idries, A. and Choi, S. (2023) GMX/GDC Strength Loss Mechanisms. *Geosynthetic International*. <https://doi.org/10.1680/jgein.22.00375>
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- **Lin, J.**, Stark, T. D., Idries, A. (2023) Extrapolating residual GMX/GDC interface strength from direct shear tests. <https://doi.org/10.1680/jgein.23.00111>

- Idries, A., Stark, T.D., Moya, L. and **Lin, J.*** (2023) Case Study: 3D Mobilized Strength Of Compacted Fill Slope, *Canadian Geotechnical Journal*. DOI: 10.1139/cgj-2023-0187

Research Interests

- Geothermal application, settlement analysis, slope stability

Projects

- Innovative Optical Fiber Sensors and Monitoring System for Oceanic Research (EF013/FST-ZWH/2023/HKUST), Intelligent safety monitoring and emergency management of major cross-sea traffic cluster projects (EF055/IOTSC-ZWH/2022/HKZMBA)
- Grainger Field Well Group Heat Transfer Analysis
- Waste Containment Barrier Systems Subject to Seismic Loading
- Liquefaction of tailings dam

Selected Awards & Honors

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Academic Services

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