TIAN YU （田宇）

29 Y/O   BE, MSc, PhD in *Civil Engineering*

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Education

City University of Hong Kong (CityU)，09/2018-05/2022, *PhD in Civil & Architecture Engineering*
Thesis: Investigation of the behaviour of sand-rubber granular composites at different scales
Introduction：Conducted experimental investigation on sand-rubber composites, focusing on the creep behaviour at the element scale and the sand-rubber contact behaviour at the grain scale; Carried out a series of discrete element method (DEM) modelling calibrated by the data at different scales, having the new insight into the redistribution of contact force and contact stiffness. Outputs were transferred into five peer-reviewed papers (Four of them already published)

Hong Kong University of Science and Technology (HKUST), 09/2017-08/2018， *MSc in Civil and infrastructural Engineering and Management*

Central South University (CSU, 985&211)，09/2013-06/2017, *BE in Civil Engineering*

Research Experiences

PolyU, 03/2023 ~ present	**Postdoctoral Fellow**
CityU, 07/2022 ~ 03/2023	**Research Assistant**

Awards and Recognitions

CityU,	06/2023,	**HKIE Ringo Yu Prize for the Best PhD Thesis in Geotechnical Studies**
HKUST,	05/2018,	**Excellent Student Scholarship**
CSU,	06/2016,	**Scholarship in School of Civil Engineering**

Publications

Tian Y., Kasyap S.S.; Senetakis K. "*Influence of Loading History and Soil Type on the Normal Contact Behavior of Natural Sand Grain-Elastomer Composite Interfaces*" **Polymers**, 2021, 13(11): 183

Tian Y., Senetakis K. "*Influence of creep on the small-strain stiffness of sand–rubber mixtures*" **Geotechnique**, 2022, 72(10):899-910

Tian Y., Senetakis K. *"On the Contact Problem of Soft-rigid Interfaces: Incorporation of Mindlin-Deresiewicz and Self-deformation Concepts"* **Granular Matter,** 2022，*24(1): 1-17*

Tian Y., Senetakis K**.** "*Influence of Creep and Sand type on the Compression Behavior of Sand-rubber Composites*" **International Journal of Geomechanics,** *22 (8): 04022116*

Tian Y., Senetakis K**.** "*On the Creep Problem of Soft-rigid Interfaces: Analysis of the Normal Contact Behavior and Application of Creep Models*" **Granular Matter**, 2024, *26(1), 8.*