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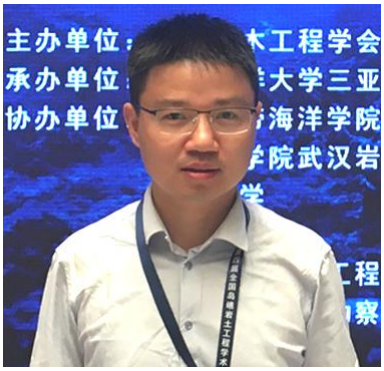

工作经历

2020.07 至今　　南京工业大学交通运输工程学院　副教授
2015.06 至今　　南京工业大学交通运输工程学院　硕　导
2014.08 - 2020.06　南京工业大学交通运输工程学院　讲　师

教育背景

2008.09 – 2014.01　大连理工大学土木水利学院　博士（防灾减灾工程及防护工程）
2011.09 – 2013.06　日本国立群马大学工学部，　国家公派联合培养博士研究生（岩土工程）
2004.09 – 2008.07　辽宁工程技术大学土木与建筑工程学院，学士（灾害防治工程）
（辅修获得辽宁大学经济法学第二学位）

研究领域

1.岩土地震工程（边坡稳定、砂土液化、海洋岩土）
2.土-结构相互作用(桩基工程、城市地下空间工程)
3.多场耦合分析理论及应用

主讲课程

本科生课程：土质学与土力学、基础工程学、地下防护工程

招生方向

岩土工程、土木水利（专业学位）、防灾减灾与防护工程、桥梁与隧道工程、地质工程

科研项目

主要纵向课题：

[1] 江苏省自然科学基金面上项目(SBK2020020702)：倾斜入射地震波作用下海上风机单桩基础动力响应特征与失稳机理，2020.7-2022.8

[2] 国家自然科学基金青年基金项目(51508271)：考虑粉粒含量影响的循环荷载下砂土边界面模型及

其适用性研究，2016.01-2018.12

[3] 江苏省自然科学基金青年基金项目(BK20150958)：饱和粉细砂层地震液化引起桩基沉降的机制研究，2015.7-2018.8

[4] 江苏省博士后科研资助计划（1501067B）：饱和含粉粒砂土液化剪胀机理试验研究及其本构描述

[5] 中国博士后科学基金第 58 批面上资助（2015M581782）：循环荷载下饱和含粉粒砂土剪胀规律及本构模型研究

主要横向课题：

[1] 软土电渗法地基处理数值仿真, 2021. 3

[2] 复杂地质条件下的隧道施工风险评估与动态仿真, 2020,3

[3] 太平洋咨询公司，Deformable and Rigid projectile impacts analysis on concrete slabs，2016

[4] 日本独立行政法人水资源机构，库岸滑坡地震稳定性研究， 2014

[5] 日本国土交通省，壁式改良法的抗液化性能研究，熊本河川国道事务所，2012

学术兼职

[1] 中国地震学会岩土工程防震减灾专业委员会青年工作委员会委员

[2] 中国地震学会强震动观测技术与应用专业委员会青年工作委员会委员

[3] Landslides、Marine Georesources & Geotechnology、KSCE journal of civil engineering 等期刊审稿人

奖励荣誉

2020.11 江苏省微课教学比赛三等奖

2020.09 南京工业大学微课教学比赛特等奖

2020.07 南京工业大学 2020 年来华留学生招工作先进个人

2019.09 南京工业大学微课教学比赛二等奖

2018.06 南京工业大学 2018 届本科生优秀毕业设计优秀指导教师

2016.11 第一届全国城市地下空间工程专业青年教师讲课大赛优胜奖

学术成果

1. 论文列表

[1] Weiyun Chen, Linchong Huang, **Lingyu Xu***, Kai Zhao, Zhicheng Wang, Dongsheng Jeng (2021) Numerical study on the frequency response of offshore monopile foundation to seismic excitation. Computers and Geotechnics. Under review

[2] **Ling-Yu Xu**, Fei Cai, Wei-Yun Chen, Jing-Zhe Zhang, Dong-Dong Pan, Qi Wu, Guo-Xing Chen. (2021) Undrained cyclic response of a dense saturated sand with various grain sizes and contents of nonplastic fines: experimental analysis and constitutive modeling, Soil Dynamics and Earthquake Engineering, https://doi.org/10.1016/j.soildyn.2021.106727.

[3] **Ling-Yu Xu**, Cheng-Xiang Song, Wei-Yun Chen, Fei Cai, Yong-Yi Li, Guo-Xing Chen (2021) Xu, LY, Song, CX, Chen, WY, Cai, F, Li, YY, Chen, G X. (2021) Liquefaction-induced settlement of the pile group under vertical and horizontal ground motions. Soil Dynamics and Earthquake Engineering Volume 144; 106709: 1-13. doi:10.1016/j.soildyn.2021.106709

[4] **Ling-Yu Xu**, Fei Cai, Jing-Zhe Zhang, Dong-Dong Pan, Qi Wu , Guo-Xing Chen. Evaluation of grain size and content of nonplastic fines on undrained behavior of sandy soils, Marine Georesources & Geotechnology, 2020, doi: 10.1080/1064119X.2020.1821847

[5] **Xu, L. Y**., Zhang, J. Z., Cai, F., Chen, W. Y., & Xue, Y. Y. (2019). Constitutive modeling the undrained behaviors of sands with non-plastic fines under monotonic and cyclic loading. Soil Dynamics and Earthquake Engineering, 123, 413-424.
[6] **Ling-Yu Xu**, Fei Cai, Ying-Ying Xue, Jing-min Pan. Generalized nonlinear model describing softening and hardening behaviors of skin friction for axially loaded piles. Computers and Geotechnics, 2019, 116: 1013196, 2019. (SCI)
[7] **Ling-Yu Xu**, Jing-Min Pan, Ying-Ying Xue, Fei Cai. A numerical investigation of influence of low-plasticity fines in sand on lateral response of piles Marine Georesources & Geotechnology, 2020, 38(3): 302-311. (SCI)
[8] **Xu L Y***, Shao W D, Xue Y Y, Cai F, Li Y Y. (2019) A simplified piecewise-hyperbolic softening model of skin friction for axially loaded piles. Computers and Geotechnics, 2019, 108: 7-16.
[9] **Ling-Yu Xu**, Fei Cai & Ying-Ying Xue (2019) Implementation of state-dependent plasticity model in strain wedge model for laterally loaded piles in sand, Marine Georesources & Geotechnology, 2019, 37(5): 622-632. (SCI)
[10] **Ling-Yu XU**, Fei CAI, Ying-Ying XUE, Yong-Yi LI, Chiaki TAKAHASHI. Numerical analyses of local damage of concrete slabs by normal impact of deformable solid projectiles. KSCE Journal of Civil Engineering, 2019, 23(12): 5121-5132. (SCI)
[11] **Ling-Yu XU**, Fei CAI, Guo-Xin WANG, et al.(2017) Nonlinear analysis of single laterally loaded piles in clays using modified strain wedge model. International Journal of Civil Engineering, 15(6): 895–906, 2017. DOI: 10.1007/s40999-016-0072-8
[12] **Ling-Yu XU** *, Fei CAI, Guo-Xin WANG, et al.(2017) Nonlinear analysis of single reinforced concrete piles subjected to lateral loading. KSCE Journal of Civil Engineering, 21(7), 2622–2633, 2017.
[13] **Ling-Yu XU**, Fei CAI, Guo-Xin WANG, Keizo UGAI, Akihiko WAKAI, Qing-Qing YANG, Atsuo ONOUE. Numerical assessment of liquefaction mitigation effects on residential houses: case histories of the 2007 Niigata Chuetsu-offshore earthquake. Soil Dynamics and Earthquake Engineering, 53: 196-209, 2013. doi:10.1016/j.soildyn.2013.07.008
[14] **Ling-Yu XU** Fei Cai, Guo-Xin Wang, Keizo UGAI. Nonlinear analysis of laterally loaded single piles in sand using modified strain wedge model. Computers and Geotechnics, 51: 60-71, 2013. doi: 10.1016/j.compgeo.2013.01.003
[15] Chen, G., **Xu, L.**, Kong, M., Li, X. (2015). Calibration of a CRR model based on an expanded SPT-based database for assessing soil liquefaction potential. Engineering Geology, 196, 305-312.
[16] Chen, W., Chen, G., Jeng, D., & Xu, L. (2020). Ocean Bottom Hydrodynamic Pressure due to Vertical Seismic Motion. International Journal of Geomechanics, 20(9), 06020025..
[17] Chen, W., Mou, Y., **Xu, L**., Wang, Z., & Luo, J. (2020). Frequency‐dependent dynamic behavior of a poroviscoelastic soil layer under cyclic loading. International Journal for Numerical and Analytical Methods in Geomechanics, 44(9), 1336-1349..
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[21] **徐令宇**,蔡飞,陈国兴,王国新. 考虑循环软化的非线性动力本构模型在 FLAC3D 中的实现.岩土力学，37(11), 2016 :3329-3335
[22] **徐令宇**，薛莹莹，潘冬冬，吴琪. 非塑性细粒粒径与含量对饱和砂类土强度的影响，防灾减灾工程学报. 2020,40(05):741-748
[23] **徐令宇,**王国新,蔡飞,鹍飼惠三.可液化场地地震反应完全耦合动力分析及其验证. 地震工程与工程振动,06:136-144,2014.
[24] **徐令宇**，王国新，蔡飞. 考虑桩身钢筋混凝土非线性的单桩水平响应分析，哈尔滨工程大学学报，2015, 36(6): 871-876.

[25] 赵丁凤, 阮滨, 陈国兴, **徐令宇**, 庄海洋. 基于 Davidenkov 骨架曲线模型的修正不规则加卸载准则与等效剪应变算法及其验证. 岩土工程学报，2017 , 39 (5) :888-895

2．专利及软著

[1] 徐令宇, 潘冬冬, 李永义, 陈炜昀. 用于既有高速公路边坡排水及加固的排水管及其施工方法, ZL201610841270.4,授权日期 2019.06.14.

[2] 潘京敏,徐令宇,杨泽等. 一种桩基钢筋笼接长施工的加固装置. 2020-05-25,申请号: 201920580453.4

[3] 徐令宇,潘京敏,张璟哲,李永义,邵旺达. 桩基广义非线性荷载传递模型参数分析软件[简称： GN 荷载传递模型参数分析软件 V1.0].2019-08-16 登记号: 2019SR0854174.

[4] 徐令宇, 邵旺达, 潘京敏, 李永义, 陈炜昀. 桩基竖向和水平响应有限元分析软件[简称: VLPILES 桩基有限元分析软件 V1.0]. 2018-07-03, 登记号: 2018SR509187