

Xueji Shi

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EDUCATION

- M.Eng. Southeast University**
Sep 2022 - Nanjing, Jiangsu
Jun 2025 **Major:** Bridge and Tunnel Engineering
GPA: 3.59/4.0
- B.Eng. Central South University**
Sep 2018 - Changsha, Hunan
Jul 2022 **Major:** Bridge Engineering
GPA: 3.858/4.0
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PUBLICATIONS

- **Xueji Shi**, Zhongxiang Liu, Tong Guo, Wanjin Li, Zhiwei Niu, Feng Ling. Research on vortex-induced vibration of cylinder based on Lagrangian dynamic modal decomposition, *Journal of Marine Science and Engineering* (**JCR Q1**) (**Accepted**).
 - **Xueji Shi**, Zhongxiang Liu, Tong Guo, C.S. Cai, Chao Jiang. Investigation on contact stress calculation method of spherical hinge structures for swivel construction, *Structures* (**JCR Q1**) (**Accepted**).
 - Zhongxiang Liu, **Xueji Shi**, Tong Guo, Jun Yang, José Correia . Damage diagnosis and fretting wear performance analysis of short suspenders in cable-supported bridges, *Structures* (**JCR Q1**) (**Accepted**).
 - Zhongxiang Liu, **Xueji Shi**, Tong Guo, Hongyu Ren, Minte Zhang. Investigation on hydrodynamic response and characteristics of a submerged floating tunnel based on hydrodynamic tests, *Ocean Engineering* (**JCR Q1**) (**Accepted**).
 - Xuebing Zhang, Xiaonan Xie, Shenghua Tang, Han Zhao, **Xueji Shi**, Li Wang, Han Wu, Ping Xiang. High-speed railway seismic response prediction using CNN-LSTM hybrid neural network, *Journal of Civil Structural Health Monitoring* (**JCR Q2**) (**Accepted**).
 - Zhongxiang Liu, **Xueji Shi**, Tong Guo, José Correia. Assessment of regular and tsunami wave hydrodynamic tests of moored and end-fixed submerged floating tunnel, *Coastal Engineering* (**JCR Q1**) (Under Review).
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PATENTS

- Zhongxiang Liu, **Xueji Shi**, Tong Guo, Zhiwei Niu, Ming Yang, Hongyu Ren. Submerged Floating Tunnel Wave Flow Test Device.
- Zhongxiang Liu, **Xueji Shi**, Tong Guo, Jun Yang, Jie Liu, Weijie Xu. A test model and method for simulating the evolution of seismic soil in long-span bridges.
- Tong Guo, Hongyu Ren, Zhongxiang Liu, **Xueji Shi**, Weijie Xu, Xiangyang Xu. A Flexible Model and Design Method for a Submerged Floating Tunnel, and Similarity Testing Method.

- Aimin Liu, Jianbing Chen, Feng Ling, Yang Yang, Tong Guo, **Xueji Shi**, Zhongxiang Liu. An Adaptive Mooring System for Floating Photovoltaic Arrays with High Water Level Variations.
 - Zhongxiang Liu, Tong Guo, Beibei Zhang, Chengjun Gu, Wen Xiong, **Xueji Shi**. A Method for Analyzing the Fatigue Life Reliability of Bridge Cables Considering Corrosion-Wear Coupling.
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SOFTWARE COPYRIGHT

- Zhongxiang Liu, Xueji Shi, Tong Guo, Shilei Niu, Wei Ding. Anchor Cable Hydrodynamic Calculation and Analysis Software.
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HONOURS AND AWARDS

Aug 2023	National Scholarship , Southeast University
Apr 2021	Third Prize in the National College Student Mechanics Competition
Apr 2021	First Prize in Hunan Province Mechanics Competition (Rank 14)
Mar 2021	First Prize of the Physics Competition of Central South University (Rank 1)
May 2021	First Prize in Mechanics Competition of Central South University
Dec 2020	First Prize in Hunan Province Mechanics Competition (Rank 2)
Sep 2020	First Prize of Central South University Mechanics Competition
Jul 2019	Third prize of Central South University Mathematics Competition

SKILLS

Research Skills	Data collection; data analysis; consult literature
Language Skills	Chinese; English (reading and listening)
Computer Skills	OpenFoam; Calculix; Hypermesh; Solidworks; Matlab; Ansys; Origin ; Auto CAD; Word, Excel, and PowerPoint

INTERESTS

- Fitness
- Table tennis
- Learn new knowledge
- Try to learn swimming in the future