

Tengteng Hao 郝騰騰

PhD Student

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Education

- **PhD** of Civil Engineering
Macau University, Macau **2022.08 – Present**
- **Master** of Bridge and Tunnel Engineering
Hefei University of Technology, Hefei, Anhui **2017.09 – 2020.06**
- **Bachelor** of Civil Engineering
Hefei University of Technology, Hefei, Anhui **2013.09 – 2017.07**

Publications

- **Teng-Teng Hao**, Chang-Jian Wang, Wang-Ji Yan*, Wei-Xin Ren, Ka-Veng Yuen. Experimental investigation on the dynamic responses of vented hydrogen explosion in a 40-foot container [J]. *International Journal of Hydrogen Energy*, 2021, 46(36): 19229-19243.
- Wang-Ji Yan*, **Teng-Teng Hao**, Ka-Veng Yuen, Costas Papadimitriou. Monitoring gross vehicle weight with a probabilistic and influence line-free bridge weight-in-motion scheme based on a transmissibility-like index[J]. *Mechanical Systems and Signal Processing*, 2022, 177: 109133.

Research Interests

- Structural Dynamics & Safety and Disaster Prevention

Projects

- Overpressure loading modelling and evolution mechanism of structural dynamical responses subjected to hydrogen explosion disaster **2020 – Present**
- Research on safety of vented explosion for hydrogen energy applications **2017 – 2020**

Selected Awards & Honors

- Outstanding Graduate Award, *Hefei University of Technology* (2017, 2020)
- First Class Scholarship, *Hefei University of Technology* (2017 – 2019)
- Excellent Prize of National Zhou Peiyuan College Student Mechanics Competition (2017)
- Second Class Award of Chinese Mathematics Competitions (2015)
- National Endeavor Fellowship (2014 – 2016)