

Zhiyi Tang

Ph.D. Candidate, HIT

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Research Interests

Structural Health Monitoring, Anomaly Detection, Deep Learning

Education

Harbin Institute of Technology Ph.D., Engineering Mechanics - Thesis: SHM Data Mining - Advisor: Yuequan Bao	Harbin, China	Sep 2016 –
Harbin Institute of Technology M.S., Civil Engineering - Thesis: Blind Source Separation of Bridge Multi-Vibration - Advisor: Hui Li	Harbin, China	Sep 2014 – July 2016
Harbin Institute of Technology B.S., Theoretical and Applied Mechanics - Thesis: Long-Span Bridge Aerodynamic Damping Analysis - Advisor: Hui Li	Harbin, China	Sep 2009 – July 2013

Journal Publications

1. Bao Yuequan, Tang Zhiyi, Li Hui and Zhang Yufeng. "Computer vision and deep learning-based data anomaly detection method for structural health monitoring". *Structural Health Monitoring* (SHM). 2018.

Work Experience

Tibetan Traditional Medical College Volunteer Teacher - English Teaching, Non-Profit Public Service Activities - Manager: Tsering	Lhasa, China	Aug 2013 – July 2014
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Teaching Experience

Harbin Institute of Technology Teaching Assistant - Developed course material and assignments for structural health monitoring of civil infrastructure - Instructors: Hui Li, Yuequan Bao	Harbin, China	Sep 2016 – Nov 2016
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Award and Honors

Best Performance Award - 2nd Prize (8 groups) in APES 2017, Yokohama	2017
JSTI co. Structural Health Monitoring Graduate Fellowship (3 over 200+ yearly)	2016
HIT Graduate Scholarship	2014 – 2016
Source of Love Scholarship for Volunteers	2014
HIT Best Thesis for Undergraduate (100 over 6,000+ yearly)	2013
Xianzi Zeng Scholarship for distinguished undergraduates	2010 – 2013
HIT Dong Liang Scholarship for top grades undergraduates	2010

Computer Skills

Python, MATLAB, JavaScript, R, ANSYS, HTML, CSS, L^AT_EX, Linux, Mac