Jia Linshan (贾林山)

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Education

City University of Hong Kong   **Hong Kong, China.**
Department of Electrical Engineering   *September 2020 – Present*
Doctor of Philosophy (Supervisor: Professor Tommy Chow)
GPA: 3.60/4.00.
Research interests: *Fault Diagnosis, Signal Denoising, CNN, Transfer Learning (DA and DG)*

Xi'an Jiaotong University (Project 985)   **Xi'an, China.**
School of Mechanical Engineering   *September 2016 – June 2019*
Master of Mechanical Engineering
GPA: 3.58/4.00; Ranking: Top 10%

Southwest Jiaotong University (Project 211)   **Chengdu, China.**
School of Mechanical Engineering   *September 2012 - June 2016*
Bachelor of Mechanical Design & Manufacturing and their Automation
GPA: 3.69/4.00; Ranking: 1/290

Research Experience

Sonoscape Medical Corp.   **Shenzhen, China.**
- Worked as a R&D engineer (ultrasound signal processing)   *July 2019 - July 2020*

Academic and Related Achievements

- **Jia Linshan**, Chow T W S, Yuan Y. GTFE-Net: A Gramian Time Frequency Enhancement CNN for bearing fault diagnosis[J]. Engineering Applications of Artificial Intelligence, 2023, 119: 105794. *(SCI)*

- **Jia Linshan**, Chow T W S, Wang Y, et al. Multiscale residual attention convolutional neural network for bearing fault diagnosis[J]. IEEE Transactions on Instrumentation and Measurement, 2022, 71: 1-13. *(SCI)*

- **Jia Linshan**, Zhang Q, Zheng X, *et al*. The empirical optimal envelope and its application to local mean decomposition[J]. Digital Signal Processing. 2019, 87:166-177. *(SCI)*

- **Jia Linshan**, Zhang Q, Direct computing and aberration eliminating method for extracting instantaneous frequency of multi-components amplitude modulation-frequency modulation signals[J]. Journal of Xi'an Jiaotong University. 2018, 52(6): 122-127. *(EI)*

Awards & Honors

- Graduate with Honor, Xi'an Jiaotong University. (2019)

- Excellent Postgraduate, Xi'an Jiaotong University. (2018)

- "SKF-Boling" Scholarship, Xi'an Jiaotong University. (2018)

- Outstanding Postgraduate Freshmen Scholarship, Xi'an Jiaotong University. (2016)

- Graduate with Honor, Southwest Jiaotong University. (2016)

- First Prize of Scholarship, Southwest Jiaotong University. (6 Times)

- National Endeavor Scholarship, Southwest Jiaotong University. (3 Times)

- Merit Student, Southwest Jiaotong University. (3 Times)

Skills

- Application Software: MATLAB, MS Office, SolidWorks, Creo.

- Programming Languages: Python, LabVIEW, Java, C++.

- Language: English (IELTS: Overall:6.5/L6/R8/W6/S5.5), Chinese (native).