

Jia Linshan (贾林山)

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Education

City University of Hong Kong

Department of Electrical Engineering

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)

School of Mechanical Engineering

Master of Mechanical Engineering

GPA: 3.58/4.00; Ranking: Top 10%

Southwest Jiaotong University (Project 211)

School of Mechanical Engineering

Bachelor of Mechanical Design & Manufacturing and their Automation

GPA: 3.69/4.00; Ranking: 1/290

Research Experience

Sonoscape Medical Corp.

- Worked as a R&D engineer (ultrasound signal processing)

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).