

Fangxin (Frank) Zou

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Research Interest

Ultrasonic corrosion monitoring, Corrosion, Strain sensing, Energy conversion

Qualifications

2011 – 2015 Ph.D., Aeronautics, Imperial College London

Dissertation: A Boundary Element Method for Modelling Piezoelectric Transducer based Structural Health Monitoring

Advisor: Prof. Ferri M. H. Aliabadi

2007 – 2010 B.E. (Hons I), Aeronautical (Space) Engineering, The University of Sydney

Work Experience

02/2018 – present Assistant Professor
Programme Leader, BEng (Hons) in Air Transport Engineering
Department of Aeronautical and Aviation Engineering, The Hong Kong Polytechnic University

09/2015 – 02/2018 Postdoctoral Research Associate
Non-Destructive Evaluation Group, Department of Mechanical Engineering, Imperial College London

Editorships

- Editorial Board Member, Journal of Multiscale Modelling
- Guest Editor, Special Issue “Piezoelectric Transducers: Advances in Structural Health Monitoring”, Sensors (MDPI)
- Guest Editor, Special Issue “Selected Papers from APWSHM 2018”, Aerospace (MDPI)

Conference Duties

- Member of International Scientific Advisory Committee, 2nd World Congress on Condition Monitoring, 2 – 5 December 2019, Singapore
- Chairman of Local Organizing Committee, 7th Asia-Pacific Workshop on Structural Health Monitoring, 12 – 15 November 2018, Hong Kong

Professional Memberships

- Member, British Institute for Non-Destructive Testing (UK)
- Member, Institute of Physics (UK)
- Member, Royal Aeronautical Society (UK)
- Member, NACE International (USA)

Awards

- 2018, Outstanding Reviewer, Institute of Physics (UK)
- 2020, Trusted Reviewer, Institute of Physics (UK)
- 2021, Outstanding Reviewer, Institute of Physics (UK)