

Prof. DAN ZHAO

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https://scholar.google.com/citations?hl=en&user=GNRMA1MAAAAJ&view_op=list_works&sortby=pubdate (H-index & Citations)

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ResearchGate: [Dan-Zhao-88](#)

Webpage: [/research/zhao/](#)

WORKING EXPERIENCE

	<i>Academic Working (New Zealand & UK & Singapore)</i>
2021-present	Fellow of Engineering New Zealand, NZ
2019-present	Professor (Tenured) , College of Engineering University of Canterbury, NZ
2018-present	Director of Master Eng. Studies , University of Canterbury, NZ Chair of Research Committee, University of Canterbury, NZ College Research Committee member, University of Canterbury, NZ
2017-2019	Assoc. Prof. (Tenured) , College of Eng., University of Canterbury, NZ
2010-2017	Asst. Prof. College of Engineering, Nanyang Technological University SG <i>Industrial Working (UK)</i>
2009-2010	Research & Development Engineer , Silixa Ltd, London, UK <i>University Teaching (UK)</i>
2007-2009	Teaching Assistant for the Fluid Mechanics & Heat and Mass Transfer Classes (Final Year Undergraduates at University of Cambridge)

EDUCATION

2005-2009	University of Cambridge Ph.D. in Mechanical & Aerospace Engineering
2003-2005	University of Manchester (UMIST) M.Sc. in Thermal Power and Fluids Engineering
1998-2002	Northeast Electric Power University B.Eng. in Thermal Power and Fluids Engineering

EDITORSHIP

Assoc. Editor of J. Engineering for Gas Turbines and Power,	2022-present
Chief Editor of <i>International Journal of Aerospace Engineering</i>	(2020-present)
Assoc. Editor of <i>AIAA Journal</i>	(2018-present)
Assoc. Editor of <i>Journal of the Royal Society of New Zealand</i>	(2019-present)

Assoc. Editor of *Aerospace Science and Technology* (2015-present)

Assoc. Editor of *J. Low Frequency Noise, Vib. & Active Control* (2014-present)

EDITORIAL BORAD MEMBERSHIP

Progress in Aerospace Sciences (IF9.0)	2018-present
Journal of Thermal Science (Springer IF1.9)	2018-present
Chinese Journal of Aeronautics (IF2.2)	2021-present
Aerospace (MDPI), (IF 1.6)	2021-present
Applied Sciences (MDPI). (IF 2.47)	2021-present
Journal of Propulsion Technology	2019-present
Scientific Reports (Nature, IF 4.0)	2021-present
Energy and Built Environment	2021-present

PRESTIGIOUS FELLOWSHIP

Member of European Academy of Sciences and Arts (**MEASA**), Europe

Fellow of European Academy of Sciences (**FEurASc**), Belgium

Fellow of ASEAN Academy of Engineering &Tech. (**FAAET**), Singapore

Fellow of the Energy Institute (**FEI**), UK

Fellow of Engineering New Zealand Te Ao Rangahau (**FEngNZ**)

Fellow of the Royal Aeronautical Society (**FRAeS**)

Fellow of the American Institute of Aeronautics and Astronautics
(*Associate*)

HONORS & AWARDS

- **Keynote Speaker** at the 7th International Seminar on Motor Vehicle Environmental Protection and Supervision Technology, July 7-9, 2021, Zhongnan Garden Hotel, Wuhan, China.
- **Outstanding Student Paper Award** by The Acoustical Society of New Zealand, Dec. 2021, *Investigating compressor stall using aeroacoustics measurements*. DOI: [10.1016/j.ast.2021.106655](https://doi.org/10.1016/j.ast.2021.106655)
- **Best Paper** entitled with ‘Developing a fast online algorithm to predict the stability behaviors of a multi-stage compressor’ in 16th International Conference on Fluid Machinery, Beijing, Oct. 19, 2019.
- **Best Poster** entitled with ‘Identifying chemical kinetics contribution to stability behaviors of a methane-burnt combustion system’ in 2019 China National Symposium on Combustion, Tianjin, China, Oct. 24-27, 2019.
- **Invited Lecture** for Summer School visiting students from **Northeastern University USA**, June 2019
- Invited Lecture for Aerospace Eng. Summer School at Beijing Institute of Technology, July 2019
- **Outstanding Reviewer** for Journal of *Applied Energy* 2018-
- **Outstanding Reviewer** for journal of *Aerospace Science and Technology* 2018-
- **Outstanding Reviewer** for journal of *Energy Conversion and Management* 2017-

- **Outstanding Reviewer** for Journal of *Applied Thermal Engineering* 2017-
- **Outstanding Reviewer** for journal of *Proceedings of the Combustion Institute* 2016-
- **Outstanding Reviewer** for *Journal of Sound and Vibration* 2014-
- **Best Paper** in the 26th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems (ECOS2013), Guilin, July 16-19, 2013.
- **Excellent paper** in the 2011 International conference on Mechanical and Aerospace Engineering, Bangkok, Thailand, July 29-31, 2011.
- Winner of the **Best Innovation in Green Engineering** of the NI (**National Instruments**) ASEAN Graphical System Design Achievement Awards 2011, Singapore.
- **Keynote Speaker** at 1st International symposium of combustion instability and control, **Tsinghua University**, China, Jan. 6-8, 2017.
- **UK Prince of Wales’** Cambridge International Trust Scholarship 2005-2009
- **Conference Chair**, 3rd Int. Symp. Combust. Inst. Cont. Christchurch 2021, Aug. 21-16.
- **Conference Chair**, 2nd Int. Symp. Combust. Inst. Cont. Christchurch 2019, Aug. 20-24.
- **Organizing Committee**, International Conference on Combustion and Energy Utilization, 2019-2022.
- **Session Chair**, 25th AIAA Aeroacoustics Conference 2019 Delft, May. 20-24.
- **Session Chair**, 46th AIAA Fluid Dynamics Conference 2016 Washington, Jun. 13-17.
- **Session Chair**, International Gas Turbine Congress 2015 Tokyo, Nov. 15-20.
- **Session Chair**, 12th Western Pacific Acoustics Conference, 2015, Singapore
- **Program Chair**, 2015 International Conference on Systems, Control and Communications, Singapore
- **Session Chair**, 13th Asian Conference on Experimental Mechanics, 2014, Singapore
- **Program Chair**, 2012 World Conference on Science and Technology, Hong Kong.

SCI Publications & Patents

<https://scholar.google.com/citations?user=GNRMA1MAAAAJ&hl=en>
<https://www.researchgate.net/profile/Dan-Zhao-88>
<https://www.canterbury.ac.nz/engineering/schools/mechanical/research/zhao/>
<https://www.canterbury.ac.nz/engineering/schools/mechanical/contact-us/>

Book Chapters

- Bin Wang, Dan Zhao, Fuel Cells for Unmanned Aerial Vehicles in the book Entitled ‘[Fuel Cell and Hydrogen Technologies in Aviation](#)’, edited by C. Ozgur Colpan and Ankica Kovac, Springer, 2022. **ISSN**2730-7778. **ISBN**: 9783030990176.

Authored & Edited Books

1. Dan Zhao, Nuomin Han, Ernest Goh, John Cater, Arne Reinecke, [Wind Turbines and Aerodynamics Energy Harvesters](#), Academic Press (Elsevier), 2019. **ISBN**: 9780128171356. (Authored)
2. Sid Becker, Andrey Kuznetsov, Giuseppe Pontrelli, Filippo de Monte, Dan Zhao, [Modelling of Mass Transport Processes in Biological Media](#), Academic Press (Elsevier), 2019. **ISBN**: 9780124079007. (Edited).
3. Dan Zhao, [Thermoacoustic Instability and Its Control with Computer Codes](#), 1st Edition, Academic Press (Elsevier) (Authored book) **ISBN**: 9780323899109.