Dr. Zian Qin, Assoc. Prof., Z.Qin-2@tudelft.nl, Tel: +31 15 27 86584

Associate Professor, IEEE Senior Member
Founding Chair of IEEE Benelux Section Transportation Electrification Council Chapter
Dutch National Member of Cigre WG B4.101 (grid forming energy storage)
DCE&S group, ESE department, EEMCS faculty, TU Delft
Address: Building 36, LB03.640, Mekelweg 4, 2628 CD Delft
Phone: +31 15 27 86584
Email: z.qin-2@tudelft.nl, zqi@ieee.org
ORCID: 0000-0002-7408-7706
Google Scholar: https://scholar.google.com/citations?user=ThdaIp8AAAAJ&hl=en
Personnel site: www.zianqin.com

EDUCATION

2015	Ph.D. Aalborg University (AAU), Denmark (supervised by Prof. Frede Blaabjerg, Prof. Poh Chiang Loh and Prof. Marco Liserre)
2012	Master Degree, Beijing Institute of Technology (BIT), China (Honorary Title of Excellent Master's Graduate, Beijing Institute of Technology)
2009	Bachelor Degree, Beihang University (BUAA), China (Honorary Title of Excellent Bachelor's Graduate, Beijing City)

POSITIONS

2024-	Assoc. Prof. (Tenure), Delft University of Technology, Netherlands
2017-2024	Assist. Prof., Delft University of Technology, Netherlands
2015-2017	Postdoc, Aalborg University, Denmark
2014	Visiting Scientist, RWTH-Aachen University, Germany – 3 months
2012	Intern, China Academy of Sciences, China – 3 months

SCIENTIFIC FOCUS AREAS

- Power quality and stability of power electronics-based systems
- Power module design and grid integration of EV charging
- Battery management systems

PROJECTS

2024-2027	Grow – Scalable grid forming energy storage with intelligent control systems, 300 k€, PI
2024-2027	ECS4DRES. Subtopic: Grid Forming Energy Storage Systems, 900k€, PI
2023-2027	Power Quality of Heavy-Duty Truck Charging hubs, 450k€, PI
2023-2027	Intelligent Battery Management Systems, PI
2022-2026	FlexH2. Subtopic: SST for large scale H_2 electolyzers, 750 k€, PI
2020-2023	NEON. Subtopic: Bipolar DC grids for ships, 600 k€, Co-PI
2020-2023	Optimal operation of maritime batteries, 100 k€, Co-PI
2020-2023	PROGRESSUS. Subtopic: Power quality in EV charging, 630 k€, Co-PI
2019-2022	Power2Power. Subtopic: Optimal power module design for EV charging, 596 k€, Co-PI
2017-2019	Low-Harm - Large Offshore Wind Harmonics Mitigation (TKI Wind op zee), Co-PI

Dr. Zian Qin, Assoc. Prof., Z.Qin-2@tudelft.nl, Tel: +31 15 27 86584

PUBLICATION STATISTICS

- 100+ refereed journal and conference papers, 50+ Top-level Journal articles,
- Google Scholar: H-index: 29, citations: 3600+
- 4 Book Chapters
- 2 Dutch patents granted, 2 Chinese patents granted

AWARDS

- IEEE Open Journal of Power Electronics, Prize Paper Award, Honorable Mention, 2020~2023. (3 papers out of 258 articles got the award)
- IEEE International Challenge in Design Methods for Power Electronics Excellent Innovation Award, 2nd Place, 2023. (40 international university teams over the world participated)
- Two papers are selected for the Featured Articles from IES Journals. (40 papers from more than 10000 are selected)
- IEEE-TIE's Distinguished Reviewers for the year 2020
- World's Top 2% Scientists, since 2022

PRESENTATIONS & INVITED TALKS

- Invited Speech at IEEE 9th Southern Power Electronics Conference (SPEC 2024)
- Invited Speech at IEEE 20th International Power Electronics and Motion Control Conference (PEMC 2022)
- Invited Speech at 2023 IEEE PLES/IAS/PES BENELUX Joint Chapter Webinar
- Invited Speech at 2022 European Distributed Energy Resources Laboratories (DERlab) Knowledge Day
- Invited Speech at 2022 Huawei Digital Power Webinar
- Invited Speech at 2021 ElaadNL EV Charging Best Practices and Power Quality Webinar
- Invited Speech at the Department of Energy, Aalborg University, 2024
- Tutorial at IEEE EPE 2023, IEEE ECCE Asia 2023, IEEE PEDG 2022

ANCILLARY SERVICES

- Associate editor of IEEE TPEL, TIE, JESTPE
- Founding Chair of IEEE Benelux Section Transportation Electrification Council Chapter
- Dutch National Representative in Cigre WG B4.101 (grid forming energy storage)
- Technical Program Chair, IEEE PEDG 2024&2023, IEEE COMPEL 2020, IEEE ISIE 2020;

TEACHING AND SUPERVISION

- Supervise(d) 12 Ph.D. students (8 graduated), 2 PostDoc
- Supervise(d) 40+ master thesis projects. 7 got Cum Laude
- Main Teaching Activities

  Master course: "Advanced power electronics", since 2018

  Bachelor course: "Introduction to Electrical Power Engineering", since 2017

  MOOC "Battery Management Systems and Pack Design", since 2025 (under development)