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个人简介

华东理工大学讲席教授，国家高层次人才，美国机械工程师学会会士 (ASME Fellow)，英国机械工程师学会会士 (IMechE Fellow)。1994 年获清华大学工程力学专业和经济管理专业双学士学位，1995 年和 1998 年分别获得清华大学工程力学专业硕士和博士学位。先后在新加坡南洋理工大学、英国莱斯特大学、英国阿尔斯特公司担任博士后研究员、高级研究员、高级工程师。2008 年 3 月起先后在美国思克莱德大学担任讲师、副教授、教授。2014 年起任华东理工大学讲席教授，2022 年任华东理工大学讲席教授，博士生导师。当选美国 ASME 压力容器技术杂志副主编 (2010-2017)，英国特许工程师。2018 年获国家自然科学基金海外及港澳合作研究基金 (原海外杰出青年) 资助 (2010-2017)，英国特许工程师。2018 年获国家自然科学基金海外资深学者基金资助，同年入选国家高层次人才。

研究方向

- 1、化工 / 核电 / 航空装备安全
- 2、高温结构完整性理论与数值方法
- 3、动力电池安全
- 4、计算固体力学

研究成果及主要发表文章

[1].Chang Wang, Ying Chen, Weiling Luan*, Songyang Li, Yiming Yao, Haofeng Chen*. Interpretable deep learning for accelerated fading recognition of lithium-ion batteries, eTransportation, 2023, 18: 100281.

[2].Xiaoxiao Wang, Haofeng Chen*, Fuzhen Xuan, Neural network-assisted probabilistic creep-fatigue assessment of hydrogenation reactor with physics-based surrogate model, International Journal of Pressure Vessels and Piping, 2023, 206: 105051.

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[4].Semming Wu, Chang Wang, Weiling Luan*, Yulong Zhang, Ying Chen, Haofeng Chen*, Thermal runaway behaviors of Li-ion batteries after low temperature aging: experimental study and predictive modelling, Journal of Energy Storage, 2023, 66: 107451.

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