

Applause for BRE Graduate's Achievements

Sharing by Dr Haoran Xu

Dr. Haoran XU, under the supervision of Prof. Meng NI, was recently awarded the Best Presentation Award at The First International Conference on Energy and AI (<http://www.energy-ai.org/> , 9-11 January 2020 in Tianjin, China). He reported their recent progress in the conference of the hybrid numerical simulation method on solid oxide fuel cells (SOFCs), entitled "Combined multi physics simulation and artificial neural network model for fast and accurate online optimization in SOFC operation".

In addition, Dr. XU has been awarded the Doctoral Prize Fellowship (10 awardees from over 400 applicants, <https://www.lboro.ac.uk/join-us/doctoral-prize-fellowships/>) of Loughborough University UK, and is shortlisted for the HKIS Young Scientist Award 2019 (2 shortlisted candidates for the 1 award in Engineering Science, <http://www.science.org.hk/>), which will be finalized in the end of February 2020.

Dr. XU received his Bachelor's degree from Zhejiang University in 2014. Then he came to BRE of HK POLYU for his PhD in September 2014 (under the supervision of Prof. Meng NI). He received his PhD in October 2018. His research focuses on the development of solid oxide fuel cells, a promising electrochemical device for energy conversion among electricity, fuel and heat. Up to now, Dr. XU has published more than 40 papers (15 as first author), with 600+ citations.

