

Biography: Xudong Zhao is the Professor and Founding Director of the Centre for Sustainable Energy Technologies and Deputy Director of Energy and Environment Institute in University of Hull, and has enjoyed a global reputation as a distinguished academic in the areas of renewable energy and energy efficiency technologies, and sustainable heating, cooling and power systems, with particular strength in integrating renewable energy sources (e.g. ambient energy, PVs, solar thermal and light collectors, and PV/Thermal) and energy efficiency technologies (e.g. heat pipe, heat pump, CHP and PCM etc) into various decentralised heating, cooling and power systems, thus creating the de-carbonised, decentralized and off-grid energy systems. Over more than 30 years of professional career, he has led or participated in 61 research projects funded by the EU, EPSRC, Royal Society, Innovate-UK, Royal Academy of Engineering, China Ministry of Science and Technology and industry with accumulated fund value in excess of £20 million, 40 engineering consultancy projects worth £5 million, and claimed 13 patents. Up to date, he has supervised 35 PhD students and 28 postdoctoral research fellows, published 262 peer-reviewed papers in high impact journals and referred conferences, involved authorization of 9 books, chaired, organized and gave keynote (invited) speeches in over 30 international conferences. His researches in solar PV, solar thermal, solar PV/T (photovoltaic/thermal), heat pump, and sustainable heating & cooling have achieved world-leading standards, being placed at the '2017 world most highly cited researchers list', receiving the '2018 UK Rushlight Innovation Award', '2019 Newton Prize Finalists Award', 'European Dragon-STAR Innovation Silver Award (2nd place) - 2015', 'World Society of Sustainable Energy Technology 1st, 2th and 3th Round Innovation Awards' in consecutive years of 2016, 2017 and 2018. He is currently undertaking a number of important national and international roles: (1) Member of the UK 'EPSRC Engineering Prioritisation Panel'; (2) Executive Board Member of the 'World Society of Sustainable Energy Technologies'; (3) Executive Management Board Member of the 'International Conference Series for Sustainable Energy Technologies'; (4) Steering Committee Member of the 'European District Heating and Cooling Technology Platform'; (5) Editorial board member of the journals 'Energy Conversion and Management', 'Energy', 'Renewable Energy', 'Energies', 'Future Cities and Environment', 'Frontiers in Built Environment and Mechanical Engineering', 'Heating, Ventilation and Air Conditioning' and 'Chinese Journal of Mechanical Engineering'; (6) Guest Lead Editors for the 'Applied Energy', 'International Journal of Photo-energy', 'Energies', and 'Frontier of Energy Researches'; (7) The referee for EU FP7 programme, colleague member of EPSRC (UK), referee of ESRC (UK), French National Agency (ANR), Kazakhstan National Science and Technology Ministry, Portugal Science and Technology section and Hong Kong Research Grant Council; and (8) UK Newton Fund Programme Advisor. He was selected as the 'Fellow of Energy Institute', 'Fellow of Chartered Institution of Building Services Engineers (CIBSE)', 'Fellow of World Society of Sustainable Energy Technologies (WSSET)' and 'Member of the EU Academy of Sciences' in 2018 and won the sole 'Research Excellence Award' in 2018 at the University of Hull.

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