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Xin Zhang is the Swire Professor of Aerospace Engineering at the Hong Kong University of Science and Technology. Xin Zhang holds a Ph.D degree in fluid mechanics from the Cambridge University, UK and B.Eng in aerospace engineering from Beijing University of Aeronautics and Astronautics, China. He is a fellow of the Royal Aeronautical Society. Dr. Zhang lectures in aerodynamics and aeroacoustics, in particular aircraft aerodynamics and noise. He has performed experimental and computational research in the area of unsteady aerodynamics, ground effect aerodynamics, aeroacoustics, engine noise, and aircraft noise. He now works in the area of aircraft noise including both airframe and propulsive unit noise. His research over a period of 25 years led to the establishment of Airbus Aircraft Noise Technology Centre (ANTC) at Southampton in 2008. The centre is the only Airbus university based technology centre in the world. ANTC works in the areas of airframe noise, engine noise, physics-based aircraft noise models, computational aeroacoustics, aircraft interior noise modelling, sound transmission, and noise control, all with Airbus. Airbus, a company that produces around half of the world's aircraft and employs more than 60,000 people across the EU, has integrated the outcomes of Zhang's research into its key design processes. He was the Airbus Professor of Aircraft Engineering and served as the director of Airbus Noise technology Center between 2008 and 2014. Xin Zhang is now the director of Aviation Industry Corporation of China Advanced Aircraft Noise Technology Centre at HKUST.