



The 35th Chinese Control Conference



Prof. Wen-Hua Chen, Loughborough University, UK

Dr Wen-Hua Chen holds Professor in Autonomous Vehicles in the Department of Aeronautical and Automotive Engineering at Loughborough University, UK, where he is leading the Autonomous Systems Laboratory. He is also the Head of Control and Reliability Research Group. Prof. Chen has a considerable experience in control and signal processing and their applications in aerospace and automotive systems. His research is featured by working in the interface between theoretic developments and practical applications, and across a number of disciplines including aerospace, automotive engineering, control, electronics, and computer science. He has made considerable contributions in the development of Nonlinear Model

Predictive Control and Disturbance Observer Based Control. In the last decade, much of his effort has been spent in developing research in autonomous system technologies and their applications in unmanned aircraft systems and intelligent vehicles, covering most of the aspects from autopilots, situational awareness, decision making to system integration and verification. His unmanned vehicles related research has been widely supported by the UK government (e.g. Engineering and Physics Science Research Council) and industry.

Dr Chen received the M.Sc. and Ph.D. degrees in control engineering from Northeastern University, Shenyang, China, in 1989 and 1991, respectively. He was a Lecturer and then Associate Professor with the Department of Automatic Control, Nanjing University of Aeronautics and Astronautics, Nanjing, China before moved to UK. He joined the Department of Aeronautical and Automotive Engineering, Loughborough University, in 2000 after having held a research position and then a Lecturer in control engineering with the Centre for Systems and Control, University of Glasgow, Scotland.

Prof Chen has received Loughborough Excellence Awards for Developing Research Leadership by Loughborough University. He was awarded Charles Sharpe Beecher prize by the Institution of Mechanical Engineers, 2013, for a paper in unmanned helicopter control, and his team also won the first Royal Aeronautical Society Unmanned Aircraft Systems Innovation Award in 2012. Prof. Chen is a Chartered Engineer (CEng), a Fellow of the Institution of Mechanical Engineers, and a Fellow of the Institution of Engineering and Technology (formerly IEE). He is also a visiting Changjiang Chair Professor in Beihang University.