



**GUANRONG CHEN** was born in Guangzhou, China in 1948. Suffered from the “Cultural Revolution”, he did not have a chance to receive any college education. Through self-studies for about ten years, when the revolution was ended he took and passed with honors a nationwide university entrance exam thereby being admitted by the graduate school of the Sun Yat-sen (Zhongshan) University at Guangzhou in 1978, where he graduated with the M.Sc. degree in computational mathematics in 1981. He then went on to USA for higher education and received the Ph.D. degree in applied mathematics from Texas A&M University in 1987. Thereafter he worked at Rice University as a visiting assistant professor in 1987-1990, at the University of Houston through tenure track till became a tenured full professor in 1990-1999, and then at City University of Hong Kong as a chair professor and the founding director of the Centre for Chaos and Complex Networks since year 2000.

Prof. Chen was elected IEEE Fellow in 1997, for his fundamental contributions to the theory and applications of chaos control and bifurcation analysis, and was conferred Honorary Doctorates by Saint Petersburg State University of Russia in 2011 and by Normandy University of France in 2014. He was elected Member of the Academy of Europe (Academia Europaea) in 2014 and Fellow of The World Academy of Sciences in 2015.

Prof. Chen's main research pursuit is in one of the focusing areas in engineering - nonlinear systems dynamics and controls, as well as complex networks. He is the (co)author of more than 800 SCI journal papers and 300 conference abstracts, published since 1981, receiving more than 76,000 nonself-citations with  $h_{\text{index}}$  130 according to Scopus, and is a Highly Cited Researcher in Engineering (since 2009) according to Thomson Reuters (now Clarivate Web of Science).

Prof. Chen is also the (co)author and (co)editor of 31 technical books, including the research monographs Kalman Filtering with Real-Time Applications (Springer-Verlag, 1st ed. 1987; 5th ed. 2017), Linear Systems and Optimal Control (Springer-Verlag, 1989), Nonlinear Feedback Control Systems: An Operator Theory Approach (Academic Press, 1993), Linear Stochastic Control Systems (CRC Press, 1995), Hopf Bifurcation Analysis: A Frequency Domain Approach (World Scientific, 1996), Discrete H-infinity Optimization (Springer-Verlag, 1997), From Chaos to Order: Methodologies, Perspectives and Applications (World Scientific, 1998), and Dynamics of the Lorenz System Family: Analysis, Control and Synchronization (in Chinese, Science Press, Beijing, 2003), Complex Networks: Models, Dynamics and Control (High Education Press, Beijing, 2012), Fundamentals of Complex Networks (Wiley and Higher Education Press, Singapore-Beijing, 2014); and edited volumes entitled Controlling Chaos and Bifurcations

in Engineering Systems (CRC Press, 1999), Chaos in Circuits and Systems (World Scientific, 2002), Chaos Control: Theory and Applications (Springer-Verlag, 2003), Bifurcation Control: Theory and Applications (Springer-Verlag, 2003), Integration of Fuzzy Logic and Chaos Theory (Springer-Verlag, 2006), Evolutionary Algorithms and Chaotic Systems (Springer, 2010), Chaos, CNNs, Memristors and Beyond (World Scientific, 2013), Complex Systems and Networks: Dynamics, Controls and Applications (Springer, 2015), Naming Games (Springer, 2019) and Passive Network Synthesis (2020).

Prof. Chen received numerous prestigious awards, particularly the 2011 Euler Gold Medal conferred by the Euler Foundation of Russia, 2008, 2012 and 2016 State Natural Science Awards of China, and 2010 Ho-Leung-Ho-Lee Science and Technology Award. Other significant awards include the 1993 Junior Faculty Research Excellence Award from the University of Houston, the 1998 Harden-Simons Annual Prize for Outstanding Journal Paper from the American Society of Engineering Education, the 2001 IEEE M. Barry Carlton Best Annual Paper Award from the IEEE Aerospace and Electronic Systems Society, the 2002 Best Paper Award from the Institute of Information Theory and Automation, Academy of Sciences of the Czech Republic, the 2005 IEEE Guillemin-Cauer Best Annual Paper Award from the IEEE Circuits and Systems Society, the 2013 IET Premium Best Paper Award, and the 2019 President's Award of City University of Hong Kong.

Prof Chen served and is serving as Editor-in-Chief for the International Journal of Bifurcation and Chaos (since 2010), Editor-in-Chief for the IEEE Circuits and Systems Magazine (2008-2011), Deputy Editor-in-Chief for the International Journal of Circuits Theory and Applications (2008-2009) and the IEEE Transactions on Circuits and Systems - II and -I (2004-2007), as Associate Editor for the IEEE Transactions on Circuits and Systems (1993-1995; 1999-2001), the IEEE Transactions on Automatic Control (2004-2005), the International Journal of Bifurcation and Chaos (1991-2009), and the International Journal of Circuits Theory and Applications (2008-2009), the Journal of Control Science and Engineering (2006-2008), the Chinese Academy of Sciences Journal on Control Theory and Applications (since 1995) and Journal of Systems Science and Complexity (2001-2014), and as Advisory Editor for the IEEE Circuits and Systems Magazine (2001-2003) and for the Latin American Applied Research: An International Journal (since 2000). He served as chairman and organizer for many international workshops and conferences, and was the Chairman of the Nonlinear Circuits and Systems Technical Committee of the IEEE Circuits and Systems Society (1999-2001) and the Chairman of the Complex Systems and Networks Technical Committee of the Chinese Society for Industrial and Applied Mathematics (2009-2014).

In the past, Prof. Chen was invited to give lectures and seminars in more than 40 countries. He is Honorary Professor, Advisory Professor and Guest-Chair Professor of 30 some universities worldwide, including Honorary Professor of the Universidad Nacional del Sur, Argentina; Honorary Professor of the Central Queensland University and University of Ballarat, Australia; Honorary Professor of Tianjin University, China; Chang-Jiang Chair Professor of Peking University; Honorary Advisory Professor of Fudan University; and Honorary Guest-Chair Professor of Tsinghua University, University of Science and Technology of China, Zhejiang University, Shanghai Jiao Tong University, and Sun Yat-sen University, among others.