



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 all nationwide university entrance exams 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 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. Also, in 2005-2009 he was a Chair Professor at Peking University, Beijing, under the “Chang-Jiang Scholars” program of the China Education Ministry.

Prof. Chen's main research pursuit is in one of the focusing areas in engineering - nonlinear systems control and dynamics, with applications in related areas such as encryption and secure communications, nonlinear vibrations analysis and control, and chaos generators design. He is the (co)author of more than 500 SCI journal papers and 250 conference abstracts, published since 1981, receiving more than 16,000 citations by others, with h -index 62, and is an ISI Highly Cited Researcher in Engineering. He is also the (co)author of 23 technical books, including the research monographs Kalman Filtering with Real-Time Applications (Springer-Verlag, 1st ed. 1987; 4th ed. 2009), 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), 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), and Evolutionary Algorithms and Chaotic Systems (Springer, 2010).

Prof. Chen was elected IEEE Fellow in 1996, for his fundamental contributions to the theory and applications of chaos control and bifurcation analysis, and was conferred Honorary Doctorate of Saint Petersburg State University in 2011. He received numerous prestigious awards, particularly the 2011 Euler Gold Medal conferred by the Euler Foundation of Russia, the 2008 National Natural Science Award of China (second prize, as the first awardee) and the 2010 Ho-Leung-Ho-Lee Scientific and Technological Progress 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, and the 2005 IEEE Guillemin-Cauer Best Annual Paper Award from the IEEE Circuits and Systems Society. He served and is serving as Editor-in-Chief for the IEEE Circuits and Systems Magazine (since 2008), Editor-in-Chief for the International Journal of Bifurcation and Chaos (since 2010), 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 (since 2001), 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 is the Chairman of the Chinese Society for Industrial and Applied Mathematics (since 2009).

In the past, Prof. Chen was invited to give lectures and seminars in more than 30 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 Adjunct Professor of University of Houston, USA; 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.