

## **Philip Chen's Biographical information:**

**C. L. Philip Chen, Ph.D., FIEEE, FAAAS**

**Chair Professor and Former Dean (2010-2017)**

**Faculty of Science and Technology, The University of Macau**

**Sr. Past President, IEEE Systems, Man, and Cybernetics Society**

**(2016-2017), <http://www.ieeesmc.org/about-smcs/governance>**

**Editor-in-Chief, IEEE Transactions on Systems, Man, and Cybernetics:  
Systems, 2014 - ,**

**<http://www.ieeesmc.org/publications/transactions-on-smc-systems>**



C. L. Philip Chen received his M.S. degree from the University of Michigan, Ann Arbor, Michigan, U.S.A., in 1985, and his Ph.D. degree from Purdue University, West Lafayette, Indiana, U.S.A., in 1988, both degrees in Electrical Engineering. He was with Wright State University, Department of Computer Science and Engineering, from 1989 to 2002, as an assistant, an associate, and a full professor before he joined the University of Texas, San Antonio, where he was Professor and Chair of the Department of Electrical and Computer Engineering, and the Associate Dean for Research and Graduate Studies of the College of Engineering. Since 2010, he has been Chair

Professor and Dean of Faculty of Science and Technology, the University of Macau, Macau, China.

Dr. Chen's current research interest includes systems and cybernetics, design of computational intelligent systems, networking, and video data indexing, retrieval, and communications. Dr. Chen was a recipient of an NSF Research Initiation Award in 1990, Beijing government Science and Engineering Research Award (3rd place in 2012 in the area of Regularization: theoretical, methodology, and applications), Macau government Natural Science Award, (3rd place award in 2014 in the area of Technologies for Feature Analysis and Multimedia Security); and 2<sup>nd</sup> place award in 2016 for Computational Intelligent Systems for Modeling, Decision-Support in Tracking Control and Urban Traffic Assistance). His past research projects in the U.S., including computer networking, intelligent systems, neural networks, fuzzy-neural systems, robotics, and CAD/CAM, data mining on aircraft flight and maintenance data, aircraft engine life prediction, life extending control, diagnosis and prognosis, and health monitoring, were supported by the NSF, Air Force Office Scientific Research and the U.S. Air Force, Office of Naval Research, NASA, and State of Ohio. He has published more than 200 SCI Journal papers; half of them are in IEEE Transactions.

Dr. Chen has [19 papers](#) listed in “Highly Cited Papers”, (i.e., within top 1% of papers published in ISI database), 2 of which are in top 0.1%, by the ISI Web of Knowledge, Essential Science Indicators from Jan 2006 to Jan 2016 (10-year window frame). The research areas focus from “adaptive intelligent control for nonlinear systems with unknown functions and consensus control of multi-agent systems” to “big data and deep learning.” In addition, he is a recipient of six Best Conference Paper Awards in IEEE international conferences.

Dr. Chen was a visiting research scientist at the Materials Directorate, Wright Laboratory, Wright-Patterson Air Force Base. He was a senior research fellow sponsored by the National Research Council, National Academy of Sciences (U.S.A) and was a research faculty fellow at NASA Glenn Research Center for several years. He was a visiting Chair Professor Beijing Jiaotong University (since 2014), the HiaTien Chair Professor of Dalian University of Technology, China since 2011, Dalian Maritime University (2015-), Hunan University (2016-), Shanghai Jiaotong University (2017-), and an Honorary Professor and Citizen of Obuda University, Hungary since 2011. His current research areas include systems and cybernetics, design computational intelligent systems, data mining, and image/video data recognition/indexing/retrieval.

Currently, Dr. Chen is Editor-in-Chief of IEEE Transactions on Systems, Man, and Cybernetics: Systems, and the Senior Past President of IEEE SMC Society (2016-2017). He was President of IEEE SMC Society (2012-2013), Vice President on Conferences and Meetings, Vice President on Technical Activities in Systems Science and Engineering, a member of Board of Governors, the Treasurer; and serves as a Distinguished Lecturer, an Associate Editor of IEEE Systems Journal (2008-2010), IEEE Transactions on Cybernetics, IEEE Transactions on Intelligent Transportation Systems, and IEEE Open Access, a steering committee member on IEEE Trans. on Big Data and CAA/IEEE Acta Automatica Sinica, an executive board member of Chinese Association of Automation, and Deputy Editor-in-Chief of international section of Acta Automatica Sinica (2015-). Dr. Chen is a member of Tau Beta Pi and Eta Kappa Nu honor societies and has been the faculty advisor for Tau Beta Pi Engineering honor society. In addition, Dr. Chen was an ABET (Accreditation Board of Engineering and Technology Education) Program Evaluator for Computer Engineering, Electrical Engineering, and Software Engineering programs. With this educational experience, he architects the success of the University of Macau Engineering and Computer Science accreditations from Washington Accord and Seoul Accord through Hong Kong Institute of Engineers (HKIE), where he is also a Fellow member.

Dr. Chen has been very active in serving professional societies for more than twenty years. He is the founding Chair of IEEE SMCS Central Texas Section,

founding Co-Chair of IEEE SMCS Macau Chapter, and a founding co-chair of four SMCS Technical Committees (SoS, Enterprise Information Systems, Information Assurance, and Computational Cybernetics). With this recognition, he received Outstanding Contribution Award four times from IEEE SMCS in 2008, 2010, 2013 and 2016. He has served as a member of organizing committee, general/program chairs, for many IEEE conferences under different capacities, including IEEE International Conference on Robotics and Automation, IEEE Int'l Conf. on Intelligent Robotics and Systems (IROS), IEEE Int'l Conf. on Systems, Man, and Cybernetics (SMC), and IEEE Int'l Conf. on System of Systems. Most notably, he served as General Chair of 2009 and Program Chair of 2014, General Co-Chairs (2016, 2017) of IEEE Int'l Conference on Systems, Man, and Cybernetics; General Chair (Co-Chair) of 2011 (2012) IEEE Int'l Conference on Systems Science and Engineering; General Chair/Co-Chairs of Int'l Conference on Informative, Cybernetics, and Computational Social Systems series (2014-), International Conference on Advanced Robotics and Mechatronics (2016-), and General Co-Chair of 2014 International Conference on Medical Biometrics (ICMB).