



CC Chan

Founder of WEVA
Vice President of EVAAP
Honorary Professor of
University of Hong Kong

Prof Chan was born in a Chinese entrepreneur family in Indonesia in 1937. He obtained his B.Sc., M.Sc., Ph.D. Degrees in Electrical Engineering in 1957, 1959 and 1982 from China University of Mining & Technology, Tsinghua University and University of Hong Kong respectively. He also obtained the Honorary Doctor of Sciences Degree and Honorary Doctor of Technology Degrees from Ukraine Polytechnic University and Loughborough University U.K. in 1992 and 2008 respectively. He has had over 55 years academic and industrial experience. He is currently the Honorary Professor and the former Head of the Department of Electrical and Electronic Engineering, the University of Hong Kong. Director of Institute of Sustainable Energy, China University of Mining and Technology, Honorary President of Bohai University, China. He is the Founding President of the International Academy for Advanced Study. He served as Visiting Professor of a number of well-known universities around the world, including MIT, University of California Berkeley, University of Cambridge, etc. He is Founder of the World Electric Vehicle Association and the Electric Vehicles Association of Asia Pacific, and Past President of the Hong Kong Institution of Engineers. He serves as Senior Consultant to governments and industries worldwide. Prof. Chan is a Fellow of the Royal Academy of Engineering, U.K., the Chinese Academy of Engineering, the Ukraine Academy of Engineering Sciences, Honorary Fellow of Hungarian Academy of Engineering, also Fellow of IEEE, IET and HKIE. He received the IEE International Lecture Medal in 2000 and delivered lectures on electric vehicles worldwide. He was selected as one of Asia's Best Technology Pioneers by Asiaweek; named as "Father of Asian Electric Vehicles" by Magazine Global View; named as "Pitamaha (Grandfather) of Electric Vehicle Technology" in India; received the "Environmental Excellence in Transportation Award" from the Society of Automotive Engineers U.S.A.; Honour of "China Automobile Industry Character"; Gold Medal of Hong Kong Institution of Engineers; World Federation of Engineering Organizations (WFEO) Engineering Excellence Medal; Prince Philip Medal of the Royal Academy of Engineering; Guanghua Engineering Prize of the Chinese Academy of Engineering; and IEEE Transportation Technologies Award. Prof. Chan's work is directly involved in the forefront of electric vehicle development, and had a significant impact on energy, environment and mobility leading to long term sustainability. His major contributions include analysis and optimization of electric machines, power electronic devices, converters, and cooling systems. Prof. Chan's fundamental theoretical contribution lies on exploring the correlation between Energy and Information – to establish a theoretical bridge between the microscopic and macroscopic of energy systems, from device and structure to network; to develop the mechanism of energy and information transformation; to develop energy computer and energy bank; thus to optimize multi-energy system configurations, including the large scale application of electric vehicles. This has led to the foundation for the important work on interaction between vehicle energy storage system and information. His recent research in smart charging and vehicle-to-grid systems has contributed to the intelligent distributed energy system, which is instrumental in optimizing various energy sources with higher efficiency and lower emission. He has written over 450 technical papers and 17 books including an encyclopedia. He has been granted 10 patents, which are licensed by various industries.

He recently founded Academician C.C. Chan International Innovation Center in China, Germany, Israel, Turkey and Korea, aiming to integrate Technology with Policy, Market, Finance and Culture for the welfare of human kind.