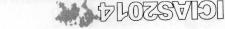
[CIVESTOJ]

 $\label{eq:concrete_problem} \textit{y Confession} \in \textit{Mobid Engine}, \textit{Science & Technology Congress (ESTCON)}$ THE 5TH INTERNATIONAL CONFERENCE ON INTELLIGENT & ADVANCED SYSTEMS

Systems Society. Award. He currently serves as Vice President for Financial Activities in the IEEE Control Networks. In 2010, he received the IEEE Control Systems Society Distinguished Member He was a co-recipient of the 2004 Best Paper Award for a paper in the journal Computer Award and list of awardees). He was named a Purdue University Faculty Scholar in 1999. Erman Terman Award from the ASEE, sponsored by HP (see information on the Terman and education in electrical engineering, Professor Chong received the 1998 Frederick to Optimization, Fourth Edition, Wiley-Interscience, 2013. For his contributions to research Communications (ICC). Professor Chong is coauthor of a best-selling book, An Introduction Global Telecommunications Conference (GLOBECOM), and IEEE International Conference on Intelligent Control (ISIC), IEEE Symposium on Computers and Communications (ISCC), IEEE

for better aligning our attitudes toward technology and sustainability. optimism in technology for delivering a sustainable future, and consider some directions contrasting features of technology and sustainability, explore the risks of unscrupulous misaligned with what is needed for sustainability. In this talk, I will highlight some advances. At the same time, prevailing attitudes among technologists are sometimes a sustainable future. This optimism serves as a powerful driver for further technological It is widely accepted, especially by technologists, that technology can be harnessed to create **TDARTZBA**



A Conference of WORLD ENGINEERING, SCIENCE & TECHNOLOGY CONGRESS (ESTCON) THE 5TH INTERNATIONAL CONFERENCE ON INTELLIGENT & ADVANCED SYSTEMS

PLENARY SPEAKER 1

EDMIN CHONG

Colorado State University Department of Mathematics Department of Electrical & Computer Engineering and Professor,



Attitudes and Risks Technological Convergence for a Sustainable Future:

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and Advisor Award in 1993, and the IEEE Section Recognition Award (IEEE Central Indiana Purdue University IEEE student branch. He received the Outstanding IEEE Branch Counselor Chong is a Fellow of IEEE. He has served as the faculty advisor and branch counselor for the Science Foundation Faculty Early Career Development (CAREER) Award in 1995. Professor communication networks, sensor networks, and wireless systems. He received a National in the areas of control, optimization, and modeling, with applications to computer/ State University, Fort Collins, Colorado. Professor Chong's research interests are primarily and Computer Engineering and a Professor in the Department of Mathematics at Colorado promoted to Professor in 2001. He is currently a Professor in the Department of Electrical Computer Engineering at Purdue University, West Lafayette, Indiana, where he was From August 1991 to August 2001, he was on the faculty in the School of Electrical and in the Department of Electrical Engineering, where he held an IBM Graduate Fellowship. the M.A. and Ph.D. degrees in 1989 and 1991, respectively, both from Princeton University graduating top of his class in the Department of Electrical and Electronic Engineering; and degree with First Class Honors from the University of Adelaide, South Australia, in 1997, Professor Edwin K. P. Chong was born in Kuala Lumpur, Malaysia. He received the B.E. (Hons.)

and Control (CDC), American Control Conference (ACC), IEEE International Symposium on organizing committees for several conferences, including the IEEE Conference on Decision served on the IEEE Control Systems Society Conference Editorial Board, and on program/ Committee on Discrete Event Systems (under the IEEE Control Systems Society). He has and, previously, IEEE Expert Now. He was the founding chairman of the IEEE Technical on the editorial board of Computer Networks, Journal of Control Science and Engineering, Professor Chong is a Senior Editor of the IEEE Transactions on Automatic Control. He is also

Section) in 1994.