

The 30th Chinese Control Conference

Plenary Panel Session 2 on Control Theory in Practice

Chair: Professor Jie Chen, Beijing Institute of Technology, China

Panelists: Professor Youxian Sun, Zhejiang University, China
Professor Yugeng Xi, Shanghai Jiao Tong University, China
Professor Xiaohong Guan, Tsinghua University, China

CCC'11 proudly presents the plenary panel session on Control Theory in Practice. We are honored to be able to invite three prominent professors in the field of control to be the panelists. The objective of the plenary panel session is to provide an opportunity for researchers, especially young researchers, to interact with world renowned experts in control who have made great achievements on both control theory and control engineering practice, and seek their views on how to mine control science problems from engineering projects, and how to apply control theory to practical projects, as well as how to develop a research career and how to publish high quality papers, etc. During the session, panel members will share their vast experiences and visions with audience through effective face-to-face dialogues.

The panel consists of three world-class researchers and educators. They include:



Youxian Sun graduated from Zhejiang University, Hangzhou, China, in 1964. Since then, he has been working in Zhejiang University, where he was promoted as Associate Professor in 1982 and Professor in 1988, respectively. From 1984 to 1987, he was awarded with Humboldt Fellowship to be a visiting professor at Stuttgart University, Germany.

He is the Director of Institute of Industrial Process Control and the Director of National Engineering Research Center of Industrial Automation. He also serves as President of Chinese Association of Automation, Vice-president of China Instrument and Control Society. He previously served as Vice-chairman of IFAC Pulp and Paper Committee. His research interests include modeling, control and

optimization of complex engineering systems, robust control theory and applications, distributed control system over wireless/wire industrial network.

For his distinguished contributions to automatic control technology and industrial automation, he was elected as Member of Chinese Academy of Engineering in 1995. Since 1995, he has been awarded twice the Second Grade and once the Third Grade National Prize for Progress in Science and Technology, and 12 times the First Grade or Second Grade Provincial or Ministerial Prizes for Progress in Science and Technology. He has won the Prize for Scientific and Technology Progress from Ho Leung Ho Lee Foundation and the Outstanding Award for Contribution to Science and Technology of Zhejiang Province both in 2007. Besides, he has authored, co-authored 6 books and published more than 400 papers.



Yugeng Xi received the Dr.-Ing. degree in automatic control from the Technical University Munich, Germany, in 1984. Since then, he has been with the Department of Automation, Shanghai Jiao Tong University, and as a professor since 1988. His research interests include predictive control, large scale and complex systems and intelligent robotic systems. He has published more than 300 journal papers and three books, as well as edited three conference proceedings. He eight times received the Awards for the Achievements in Advancement of Science and Technology by the Chinese Ministry of Education and Shanghai Government. He was the Vice Chair of IFAC Technical Committee Large Scale Systems from 1996 to 1999, the Executive Vice

Chair and IPC Chair of the 3rd ASCC in 2000, the Chair of ACPA (Asian Control Professor Association) from 2001 to 2002, and the IPC Chair, Vice Chair or member of more than 40 international conferences. He is currently the president of ACA (Asian Control Association), the vice president of CAA (Chinese Association of Automation) and the editor, associate editor or editorial board member of 11 academic journals, including Control Engineering Practice, International Journal of Humanoid Robotics, ACTA Automatica Sinica, etc.



Professor Xiaohong Guan received his B.S. and M.S. degrees in Control Engineering from Tsinghua University, Beijing, China, in 1982 and 1985, respectively, and his Ph.D. degree in Electrical and Systems Engineering from the University of Connecticut in 1993. He was a senior consulting engineer with Pacific Gas and Electric from 1993 to 1995. He visited the Division of Engineering and Applied Science, Harvard University from Jan. 1999 to Feb. 2000. From 1985 to 1988 and since 1995 he has been with the Systems Engineering Institute at Xi'an Jiao Tong University,

Xi'an, China and appointed the Cheung Kong Professor of Systems Engineering since 1999, and served the Director of the State Key Lab for Manufacturing Systems from 1999 to 2009. He is serving the Dean of School Electronic and Information Engineering, Xi'an Jiao Tong University since 2008. Since 2001 Professor Guan has been the Director of the Center for Intelligent and Networked Systems, Tsinghua University, Beijing, China, and from 2003 to 2008 he served the Head of Department of Automation of Tsinghua University.

Professor Guan is a Fellow of IEEE. He is severing the Distinguished Lecturer of IEEE Robotics and Automation Society (2008 -), Editor of IEEE Transactions on Power Systems (2009 -), and Associate Editor of Automatica (1999 -), and Control Theory and Applications (2002 -), Field Evaluation Committee of the State Council Academic Degree of China, Science Advisory Board of the Ministry of Education of China, etc.

Professor Guan's research interests include economics and security of complex networked systems; scheduling and optimization of electrical power, manufacturing and energy systems; bidding strategies, game theoretic analysis, simulation and forecasting of electric power markets; network security, sensor networks and smart grids.