数学与系统科学研究院学术报告

报告题目：A Pricing Scheme for Demand and Supply Management in Smart Grid

报 告 人: Michael Z. Q. Chen(Department of Mechanical Engineering, The University of Hong Kong)

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摘要：

The talk will first give a brief introduction to the current status of global energy consumption together with future plans of China, the United States and European countries for renewable energy. The history and development of the smart grid concept and technologies will also be discussed. This will be followed by a brief description of research work currently being undertaken by us in smart grid, in particular the pricing scheme to match demand and supply in the grid. It will be explained why this match is important and how a pricing scheme can help to achieve this goal.

个人简介:

Michael Z. Q. Chen received the B.Eng. degree in electrical and electronic engineering from Nanyang Technological University, Singapore, and the Ph.D. degree in control engineering from Cambridge University, Cambridge, U.K. He is currently an Assistant Professor at the Department of Mechanical Engineering, The University of Hong Kong. Dr. Chen is a Fellow of the Cambridge Philosophical Society. He is now a Guest Associate Editor for the International Journal of Bifurcation and Chaos. His research interests include passive network synthesis, mechanical control, complex networks, and smart grid.