

8 September 2009

### **Faculty Won Best Paper Award at Asia Control Conference 09**

Dr. Tao Li (SMF fellow) and Prof. Xie Lihua received the Best Paper Award at the 7th Asia Control Conference on 27-29 August 2009. The biennial conference held in Hong Kong this year, had attracted over 300 international participants.

The awarded paper entitled "Distributed consensus of multi-agent systems with finite-level quantization" is one of the five finalists (the four others are from USA, Korea, China, NUS). The paper solved two important problems for multi-agent systems by determining the minimum communication data rate for achieving consensus and the relationship between consensus convergence rate and data rate. The results have both theoretical and practical significance. The paper is co-authored with Prof. Minyue Fu from the University of Newcastle, Australia, and Prof. Jifeng Zhang from the Chinese Academy of Sciences. The work was done when Dr. Tao Li was a project officer with the Sensor Network Lab, Division of Control and Instrumentation at EEE, NTU. Currently, the team is continuing the research under a Temasek Lab project.



Prof Jifeng Zhang, Dr Tao Li, Prof Lihua Xie & Prof Li Qiu, the General Chair of the conference, at the award presentation ceremony