

# Energy Institute Hong Kong (Branch) 香港能源學會(分會)

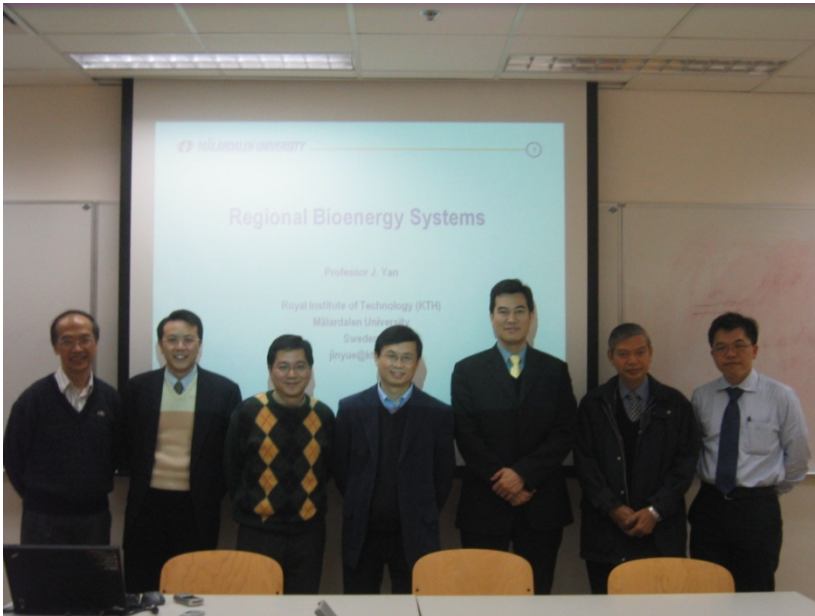
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## **Seminar on Regional Bioenergy System for Increasing Renewable Energy Utilization and Mitigating Climate Change**

**Reported by Prof. DYC Leung**

A technical seminar on regional bioenergy system for increasing renewable energy utilization and mitigating climate change was jointly organized by the Energy Institute (Hong Kong) and the Department of Mechanical Engineering of the University of Hong Kong on 27 February 2008. The speaker was Prof. J. Yan who is currently a Chair Professor of Energy Engineering at the Royal Institute of Technology and Malardalen University in Sweden. The seminar attracted about 30 participants from academia and industrial sectors. As known, biomass is a renewable energy source that can provide electricity, heat and power, and liquid, gas or solid-derived fuels. It, thus contributes to the substitution of imported fossil fuels and to diversification of energy sources, and hence is very important in strengthening the overall energy security of a nation. In the seminar Prof. Yan firstly gave an overview of the R&D in bioenergy technologies with the emphasis of a regional energy system that has been developed in Sweden as a successful example. He then discussed a low carbon or carbon-neutral source of energy biofuels system with low energy inputs into the production process that contribute to climate change mitigation. Finally Prof. Yan highlighted some of his on-going researches in this area. The participants were enthusiastic in asking questions during the Q&A session, mainly related to the practicality and applicability of similar system in situation like Hong Kong. The seminar ended with a fruitful discussion between the speaker and the participants.



**Group Photo of the speaker and Hong Kong Branch Committee - Middle Profession J Yan, the speaker; Third from Left Mr. Colin Chung, Hong Kong Branch Chairman**