



Department of Automatic Control & Systems Engineering  
would like to announce the following seminar:

# **Non-Linear Control of Inverted Pendulum Experimental Systems**

***Speakers:* Profs Akira Inoue and Mingcong Deng**

**Okayama University, Japan**

**Friday 8th September 2006  
at 14:10**

**Location: Sir Henry Stephenson Building LT2**

Coffee and Biscuits will be served afterwards.

## **ABSTRACT**

Recently robots and mechanical systems are applied in many areas and are expected to be used to further applications in human life, such as caring of patients and senior people, house keeping and so on. To apply robots and mechanical systems to such new areas, they need to be controlled to realize skilled and complicated human movement such as running, jumping, handstanding and so on. This presentation gives recent results of swing up control of acrobot and inverted pendulum as examples of control of skilled and complicated human movements developed in our laboratory at Okayama University.