



You all are invited to

# Exact FEEdback Linearization

in the SK Seminar Series for Students

## Brief Overview



Feedback linearization is a one of popular approaches to nonlinear control design. The central idea is to transform nonlinear systems dynamics into linear dynamics, so that linear control techniques can be applied. This differs from conventional (Jacobian) linearization, because feedback linearization is achieved exactly by state transformation and feedback, rather than by linear approximations of the dynamics.

**Target** Third-year undergraduate students or higher

## Main Objectives



- Start with motivating examples
- Feedback linearization: types, applications and warnings
- A brief overview on difference between Jacobian linearization and exact feedback linearization (provided time permits)

When



Thursday, July 30, 2015



Time

16:20-17:50



Where

Room No W507



Instructor

Dr. Shyam Kamal

## ContaCt

Dr. Shyam Kamal , Project Assistant Professor , Room 417  
[http://palm.ces.kyutech.ac.jp/~kamal/index\\_edu.html](http://palm.ces.kyutech.ac.jp/~kamal/index_edu.html)