



You all are invited to

Backstepping Control Design

in the SK Seminar Series for Students

Brief Overview



In control theory, backstepping is a popular technique for designing stabilizing controllers for nonlinear dynamical systems. In this methodology, the designer can start the design process at a stable subsystem and then recursively design a new controller based on the Lyapunov theory to stabilize the whole system.

Target Third-year undergraduate students or higher

Main Objectives



- Start with motivating example
- A quick review of the necessary Lyapunov stability theory
- Discuss controller design for linear and nonlinear systems using backstepping

When



Thursday, July 2, 2015



Time

16:20-17:50



Where

Room No W507



Instructor

Dr. Shyam Kamal

ContaCt

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