KING FAHDDENAMERESI TEYRDECEPETAREDIGIDEENING MINERALS

EE 550-01 INTRODUCTION TO MODERN CONTROL Second Semester 1999/2000

Instructor: Dr. Samir AL-Baiyat

List of Possible Projects

February 2, 2002

- 1. Advances in Neural Network Applications.
- 2. Applications of Variable Structure Systems.
- 3. Model Reduction of Liner and Nonlinear Systems.
- 4. Robust H and H₂ Control.
- 5. Design via Feedback Linearization.
- 6. Fuzzy Logic Controller Design.
- 7. Optimal Control of Power Systems.
- 8. Control of Singularly Perturbed Systems.
- 9. Extended Kalman Filter Design.
- 10. Linear Matrix Inequality Techniques in Control Theory.
- 11. Active Control of Wind-Turbines.
- 12. Systems with Delays.
- 13. Filtering and Estimation.
- 14. Nonlinear Control Applications.
- 15. Identification of Linear and Nonlinear Systems.