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Active Suspension with Model Predictive Control, Rashmi Ranjan Das and Vinodh Kumar E2019 | Blue Eyes Intelligence Engineering and Sciences Engineering and Sciences Publication – BEIESP.

Diesel Engine Control and Protection Monitoring using PID Controller,Rashmi Ranjan Das, Surbhi Kakkad and Vinodh Kumar E, 2019 | IEEE.

Internal Model Control for Regulatory and Reference Tracking of Servo Motor Vinodh Kumar E and Joshi Kumar V, 2019 | IEEE.

Comparative study of neural networks in path planning for catering robotsBharadwaj H and Vinodh Kumar E,2018 | Elsevier BV.

Adaptive PSO for optimal LQR tracking control of 2 DoF laboratory helicopter, Vinodh Kumar E, Raaja G.S and Jerome J,2016 | Elsevier BV.

BOOK CHAPTER

APSO Based Weighting Matrices Selection of LQR Applied to Tracking Control of SIMO System Karthick S, Jerome J, Vinodh Kumar E and Raaja G,2016 | Springer India.

CONFERENCES
State dependent riccati equation based nonlinear controller design for ball and beam system Vinodh Kumar E, J. Jerome and G. Raaja, 2014 | Elsevier Ltd.

Sensor fault detection in DC servo system using Unknown Input Observer with structured residual generation, Vinodh Kumar E and J. Jerome, 2013.

LQR based optimal tuning of PID controller for trajectory tracking of magnetic levitation system,Vinodh Kumar E and J. Jerome,2013 | Elsevier Ltd.

Robust LQR controller design for stabilizing and trajectory tracking of inverted pendulum, Vinodh Kumar E and J. Jerome,2013 | Elsevier Ltd