

Index

A

Adaptive-Robust POTDC (ARPOTDC), 78
Adaptive-Robust Time-Delayed Control (ARTDC), 42
Adaptive Switching-Gain Based Robust Control (ASRC), 122

B

Boundedness of TDE error, 62

C

Choice of artificial delay, 31

D

Design solutions of TDC, 31

E

Euler-Lagrange Systems, 1

I

Issues of conventional TDC, 6
Issues with conventional ARC, 44

L

Linear-in-Parameters (LIP), 119
LK method for ARPOTDC, 102

LK method for TDC, 98

Lyapunov-Razumikhin Theorem, 14

M

Monod kinetic, 119

N

Nonholonomic Wheeled Mobile Robot, 33
Nonlinear-in-Parameters (NLIP), 119

O

Over-estimation of switching gain, 10

P

PIONEER, 33
Position-Only Time-Delayed Control (POT-DC), 71

R

Razumikhin condition, 14

S

Sampled data stability, 32
State-dependent uncertainty, 118
State-dependent uncertainty in EL systems, 121

State-derivative estimation, [71](#)

T

TDE error, [26](#)

Time-Delayed Control (TDC), [24](#)

Time-Delayed Estimation (TDE), [24](#)

U

Under-estimation of switching gain, [10](#)

W

Wheeled Mobile Robots (WMR), [33](#)