Abbreviations

AMIGO   Approximate M-Constrained Integral Gain Optimization

NCS   Networked Control Systems

CAN   Controller Area Network

COTS   Commercial Off-The-Shelf

ZOH   Zero-Order Hold

PID   Proportional-Integral-Derivative

DT   Discrete Time

CT   Continuous Time

SDS   Network self Directed Support

ASI   Actuator Sensor Interface

PLC   Programmable Logic Controller

CNC   Computer Numerical Control

PC   Personal Computer

LAN   Local Area Network

MAP   Manufacturing Automation Protocol

TCP/IP   Transmission control Protocol/Internet Protocol

MAC   Medium Access Control

CSMA/CD   Carrier Sense Multiple Access with Collision Detection

CSMA/AMP   Carrier Sense Multiple Access /Arbitration on Message Priority

UDP   User Datagram Protocol

OSI   Open System Interconnection

FDDI   Fiber Distributed Data Interface

MPC   Model Predictive controller

LQG   Linear Quadratic Gaussian

FOTD   First Order system with Time Delay

PWM   Pulse Width Modulation