List of Abbreviations

ADC  Analog to Digital Converter
AFO  Ankle Foot Orthosis
CMRR Common Mode Rejection Ratio
CMOS Complementary Metal Oxide Semiconductor
cRIO Compact Reconfigurable Input Output system
DAQ  Data Acquisition
DAQMX Data Acquisition Multiplexor
DC   Direct Current
DO   Digital Output
EMG  Electromyography
EMF  Electromotive Force
FPGA Field Programmable Gate Array
FLC  Fuzzy Logic Controller
FSR  Force Sensing Resistor
GA   Gastrocnemius
IC   Integrated Circuit
IO   Input Output
KVL  Kirchhoff’s Voltage Law
Kcr  Critical gain
LABVIEW Laboratory Virtual Instruments Engineering Workbench
LF  Left Foot
LN  Less Negative
LP  Less Positive
MN  More Negative
MP  More Positive
MS  Multiple Sclerosis
NASA  National Aeronautics and Space Administration
NI  National Instrument
PC  Personal Computer
Pcr  Critical period
PD  Proportional Derivative
PID  Proportional Integral Derivative
PWM  Pulse Width Modulation
PTF  Polymer Thick Film
RIO  Reconfigurable Input Output
RF  Right Foot
RMS  Root Mean Square
sEMG  Surface Electromyography
TA  Tibialis anterior
USB  Universal Serial Bus