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Low Cost Bio-Robotic System Using Biometric Signals

A thesis presented in partial fulfilment of the
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List of abbreviations:

Targeted Muscular Reinnervation – TMR
Targeted Sensory Reinnervation – TSR
Electromyography – EMG
Proportional Integral – PI
Degrees of Freedom – DoF
Computer Numerical Control – CNC
Computer Aided Design – CAD
Computer Aided Manufacture – CAM
Computer Numerical Control – CNC
International Society of Electrophysiology and Kinesiology – ISEK
Common Mode Rejection Ratio – CMRR
Data Acquisition Card – DAQ
Fast Fourier Transform – FFT
Resistor Capacitor – RC
Mean Average Voltage – MAV
Integrated Circuit – IC
I/O – Input Output
Pulse Width Modulation – PWM
Integrated Development Environment – IDE