

LIST OF ABBREVIATIONS

API	Application Programme Interface
CCS	Code Composer Studio
DRFO	Direct Rotor Field Oriented
DSMC	Discrete Sliding Mode Control
DSP	Digital Signal Processor
DTC	Direct Torque Control
eCAP	Enhanced Capture module
EKF	Extended Kalman Filter
ePWM	enhanced Pulse Width Modulation
eQEP	Enhanced Quadrature Encoded Pulse
FED	Falling Edge Deadband
FFT	Fast Fourier Transformation
FIS	Fuzzy Inference Systems
FLC	Fuzzy Logic Controller
FOC	Field Oriented Control
FOS	Fast Output Sampling
FPGA	Field Programmable Gate Array
GA	Genetic Algorithm
GPIO	General Purpose Input/ Output
GUI	Graphical User Interface
HIL	Hardware In Loop
HRPWM	High Resolution Pulse Width Modulation
HSPCLKDIV	High Speed Time Base Clock Prescaler Divider
IDE	Integrated Development Environment
IPM	Intelligent Power Module
MRAS	Model Reference Adaptive System
MROF	Multi Rate Output Feedback
MSMC	Multi segment Sliding Mode Control

NFC	Neural Fuzzy Controller
P	Proportional
PI	Proportional Integration
PID	Proportional Integration Derivative
POF	Periodic Output Feedback
PWM	Pulse Width Modulation
RED	Rising Edge Deadband
RTW	Real Time Workshop
SCI	Serial Communication Interface
SMC	Sliding Mode Control
SMO	Sliding Mode Observer
SPWM	Sine Pulse width Modulation
SVM	Space Vector Modulation
SYNCO	Synchronization Output
TBCLK	Time Base Clock
THD	Total Harmonic Distortion
TI	Texas Instruments
TLC	Target Language Compiler
VSC	Variable Structure Control
VSI	Voltage Source Inverter