

LIST OF ABBREVIATION

HAR	: Human Activity Recognition
IMU	: Inertial Measurement Unit
SNR	: Signal-to-Noise Ratio
CNN-BiLSTM	: Convolutional Neural Network-Bidirectional Long Short-Term Memory
3D	: Three-Dimensional
FMCW	: Frequency-Modulated Continuous Wave
CW	: Continuous Wave
UWB	: Ultra-Wideband
mmWave	: Millimeter Wave
ADC	: Analog-to-Digital Converter
FFT	: Fast Fourier Transform
MARS	: mmWave-based Assistive Rehabilitation System
JSON	: JavaScript Object Notation
MTI	: Moving Target Indicator
MVDR	: Minimum-Variance Distortionless Response
RAI	: Range-Angle Image
CFAR	: Constant False Alarm Rate
BiLSTM	: Bidirectional Long Short-Term Memory (variant of LSTM)
CSV	: Comma-Separated Values
MAE	: Mean Absolute Error