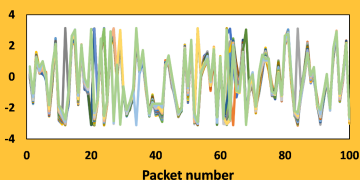


CSI Data Collection

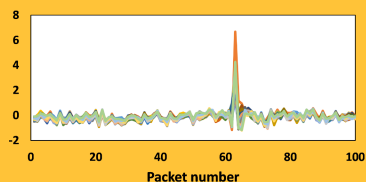


Signal Preprocessing

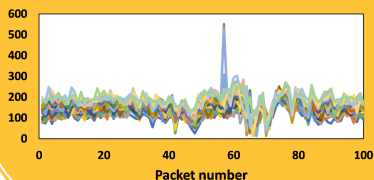
Raw CSI phases



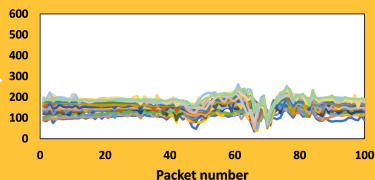
Calibrated CSI phases



Raw CSI amplitudes



Denoised CSI amplitudes



Classification
(RF, KNN, SVM, 1D-CNN)

Walking direction
(Left, Right, Up, Down, Empty)