
LIST OF FIGURES

1.1	Research methodology.	7
2.1	D2D communication scheme.	9
2.2	Outband and inband on D2D communication.	11
2.3	An original LSTM unit architecture.	13
2.4	Typical architecture of FCN.	14
2.5	Common Big O complexities.	17
3.1	Cell model.	19
3.2	Interference to D2D RX.	21
3.3	Interference to BS.	22
3.4	Simulation scheme.	24
3.5	Dataset structure.	27
3.6	The LSTM-FCN architecture.	29
3.7	Training and testing process.	30
4.1	Sum rate of first scenario.	33
4.2	Power consumption of first scenario.	33
4.3	Energy efficiency of first scenario.	34
4.4	Computational time of first scenario.	35
4.5	Sum rate of second scenario.	36
4.6	Power consumption of second scenario.	37
4.7	Energy efficiency of second scenario.	38
4.8	Computational timen of second scenario.	39