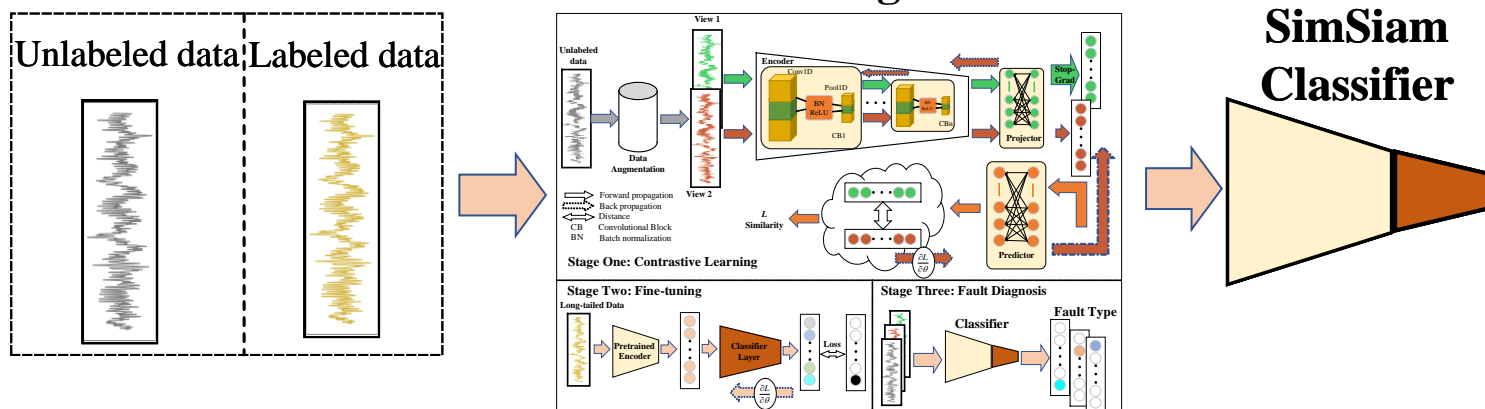
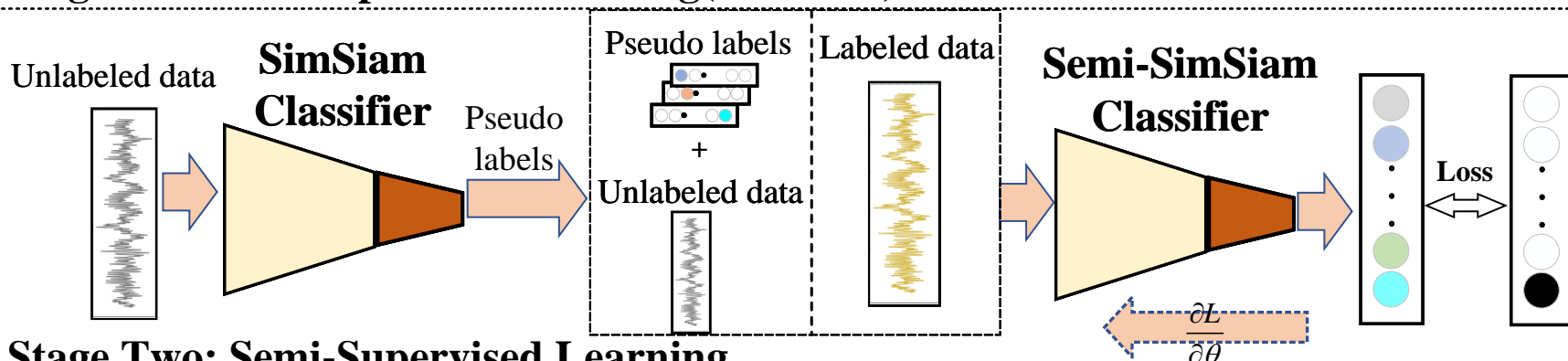


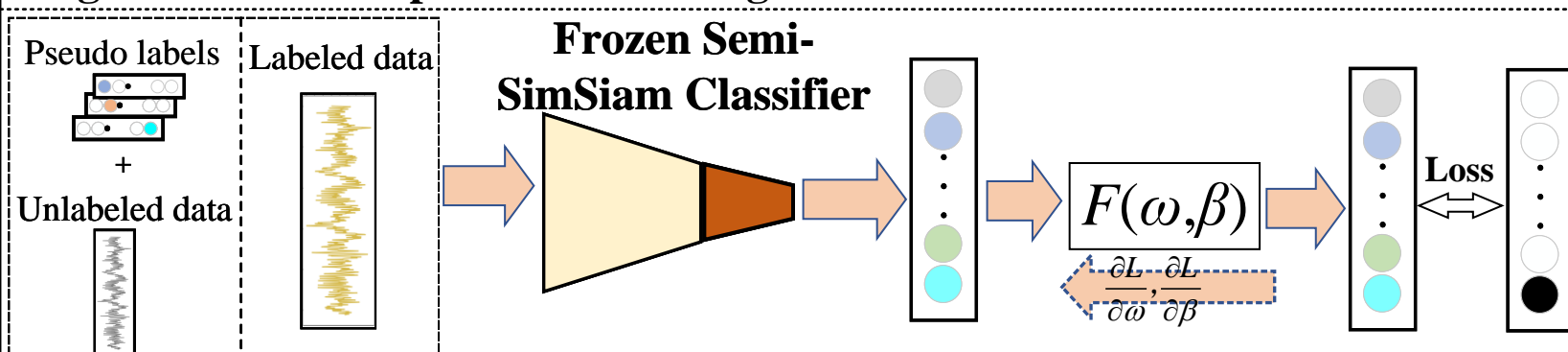
SimSiam Training Framework



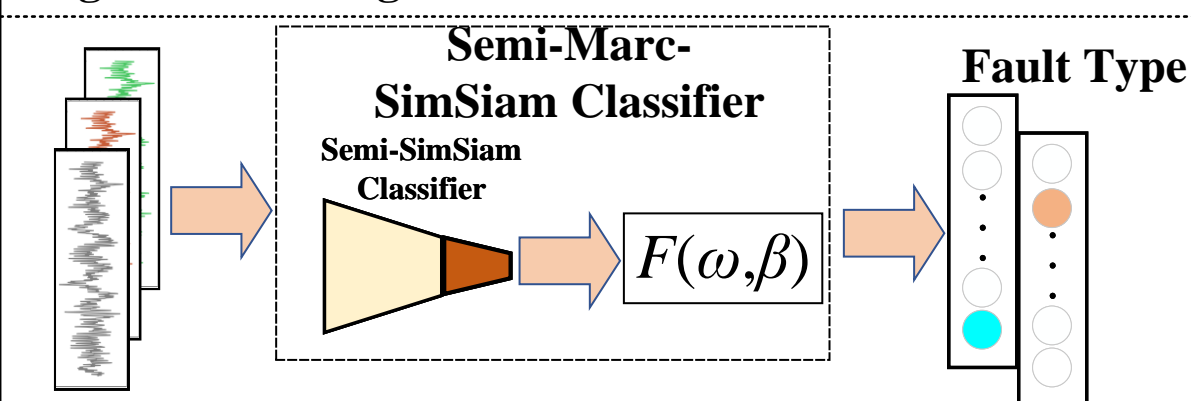
Stage One: Self-Supervised Learning(SimSiam)



Stage Two: Semi-Supervised Learning



Stage Three: Margin Calibration



Stage Four: Fault Diagnosis