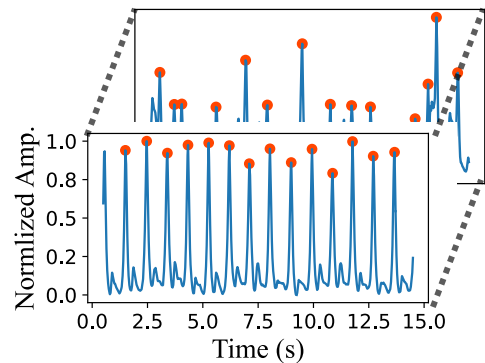
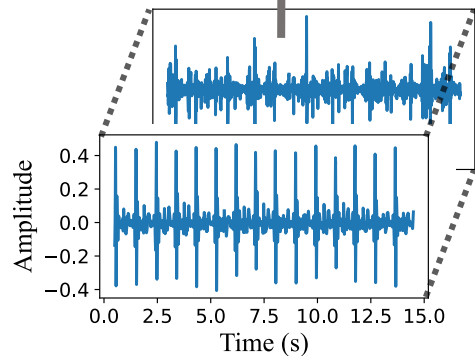


(a) Single Cycle ECG Length Estimation

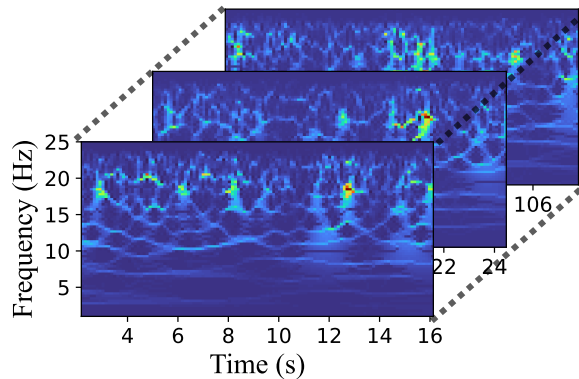


Energy Plot with Detected Peaks $\times 50$

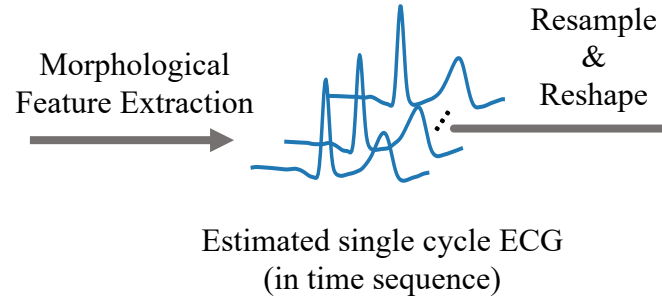


Inputs: Raw Radar Signals $\times 50$

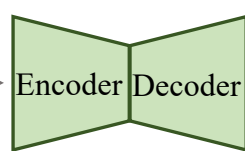
(b) Single Cycle ECG Generator (SCEG)



Spectrogram Slices (in time sequence)



(c) Long-Term ECG Reconstruction



Temporal Feature

Feature Fusion

Morphological Feature



Outputs: Reconstructed ECG

Optimizer

$Loss_{RMSE}$