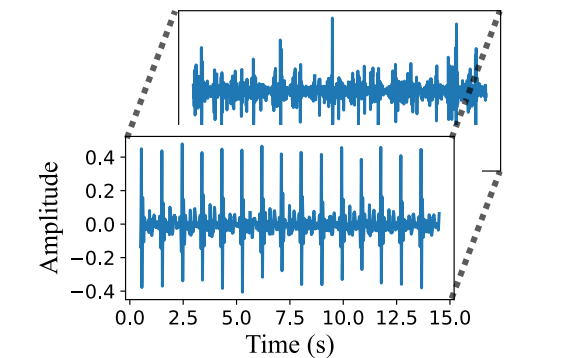
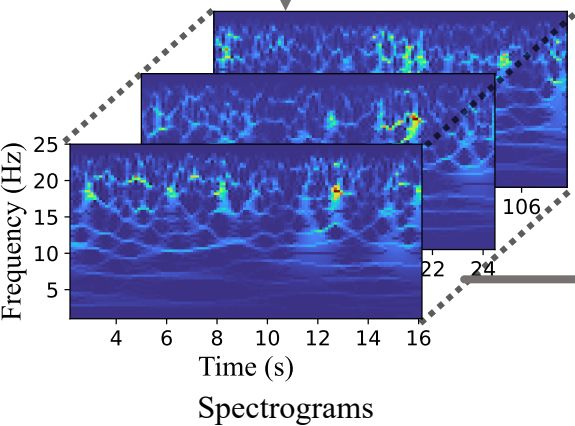


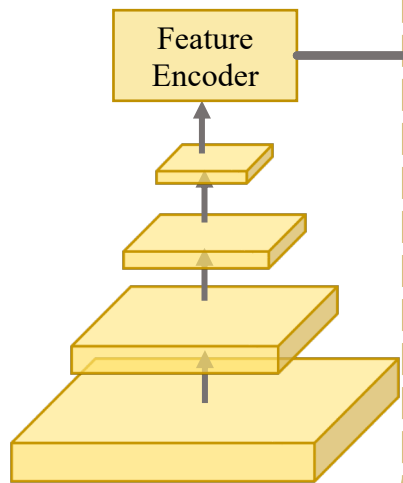
**Input:** Synchronous Radar Signals  $\times 50$



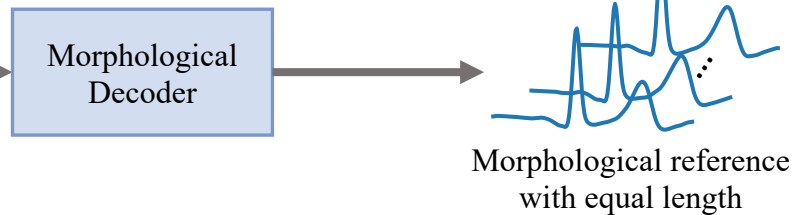
Pre-processed  
by SST



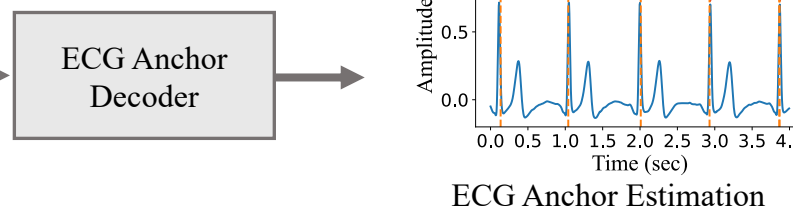
**(a) Backbone & Encoder**



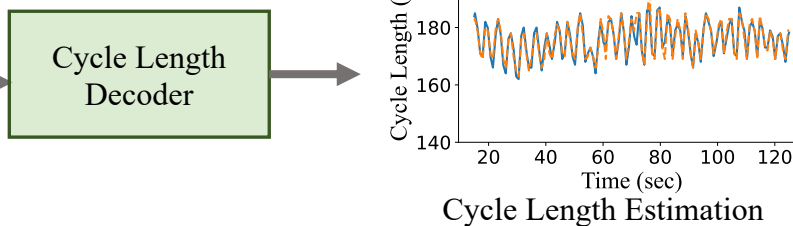
**(b) Single Cycle ECG Generator (SCEG)**



**(c) ECG Anchor Estimator**



**(d) Cycle Length Estimator**

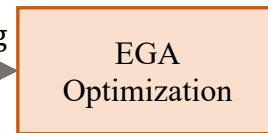


$\mathcal{L}_1$

$\mathcal{L}_2$

$\mathcal{L}_3$

Training



Inference



**Output:** Long-term  
Reconstructed ECG