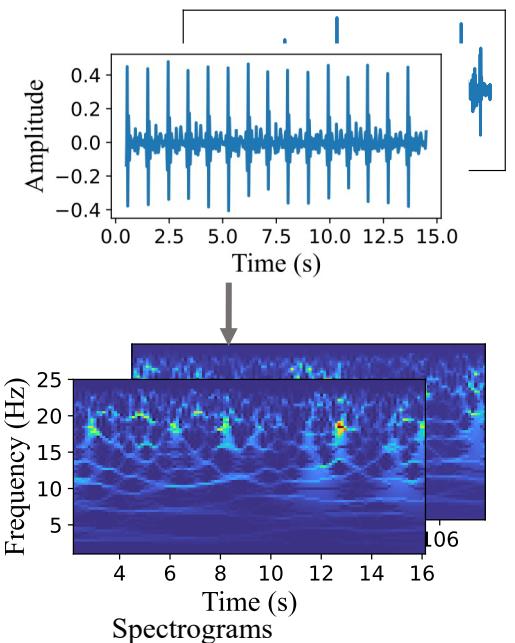
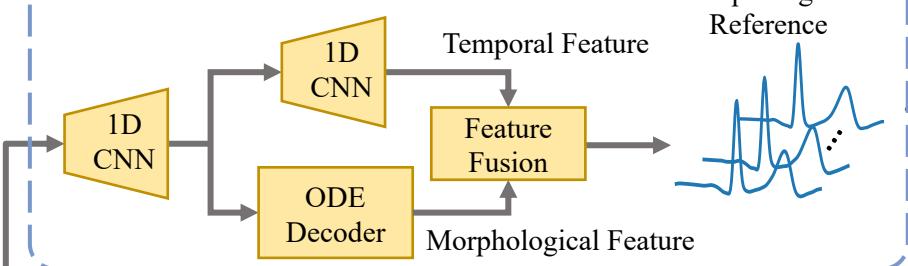


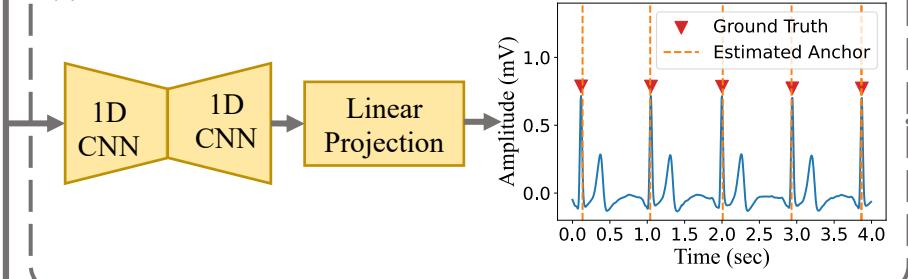
Input: Synchronous Radar Signals \times 50



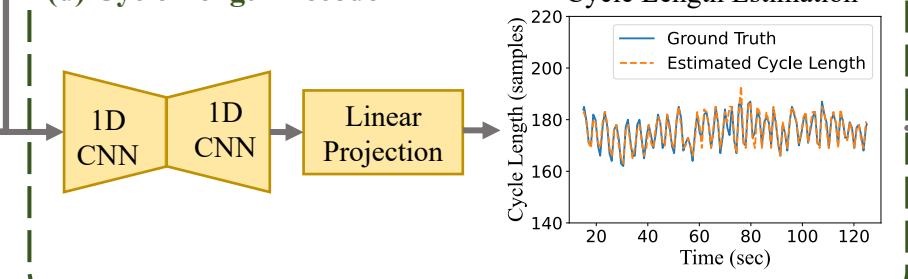
(b) Morphological Decoder



(c) ECG Anchor Decoder



(d) Cycle Length Decoder



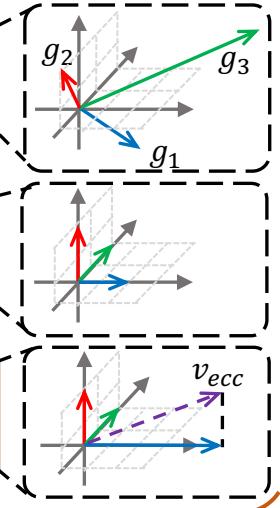
(e) EGA Strategy for Network Training

Optimal Params. for Updating Shared Param. Space

Obtain the Original Task-specific Gradients

Eliminate the Conflict and Dominance

Compensate the Hard Task by Eccentric Vector



Task Loss
 $\mathcal{L}_1, \mathcal{L}_2, \mathcal{L}_3$

Output: Long-term Reconstructed ECG