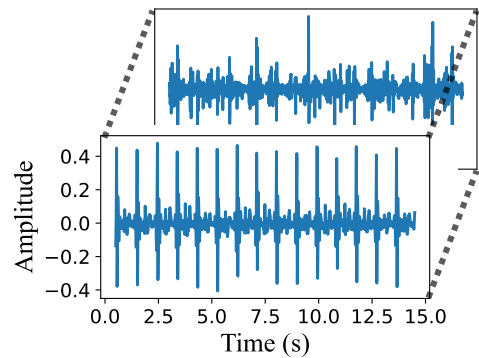
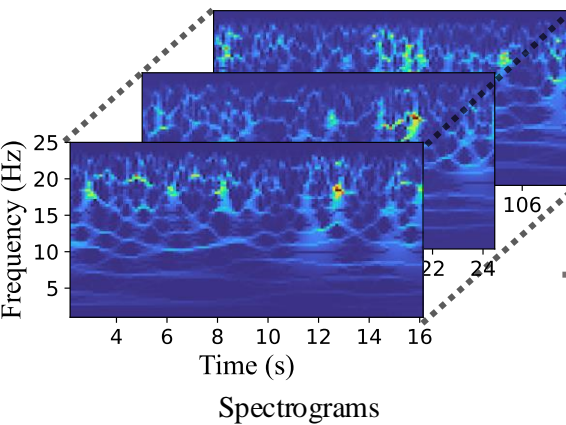


**Input:** Synchronous Radar Signals  $\times 50$

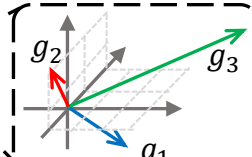


Pre-processed  
by SST

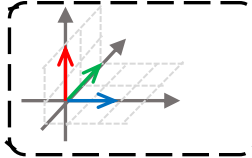


### (e) EGA Strategy for Network Training

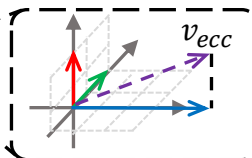
Obtain the Original  
Task-specific Gradients



Eliminate the Conflict  
and Dominance

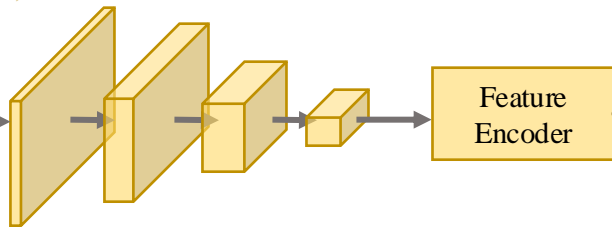


Compensate the Hard  
Task by Eccentric Vector

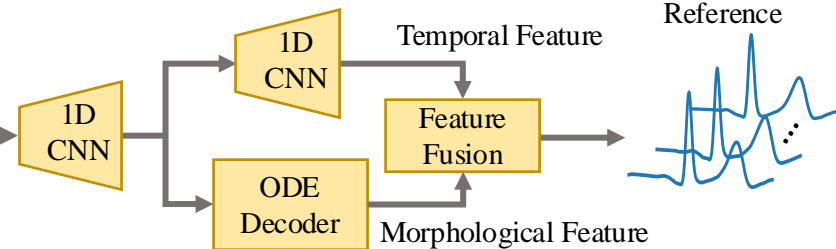


Optimal Params. for Updating  
Shared Param. Space

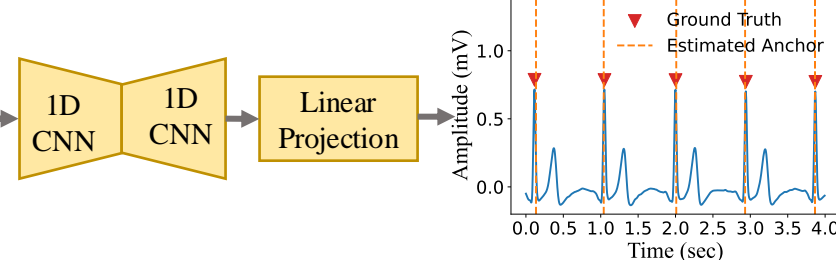
### (a) Backbone & Encoder



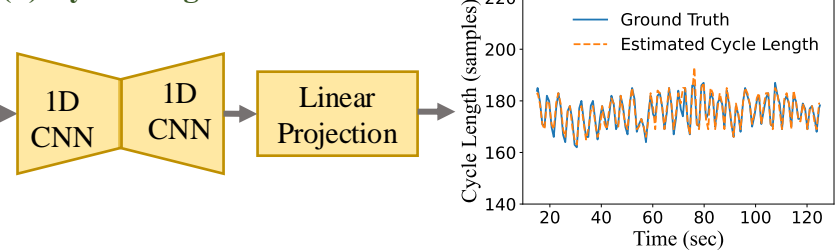
### (b) Morphological Decoder



### (c) ECG Anchor Decoder



### (d) Cycle Length Decoder



**Output:** Long-term  
Reconstructed ECG