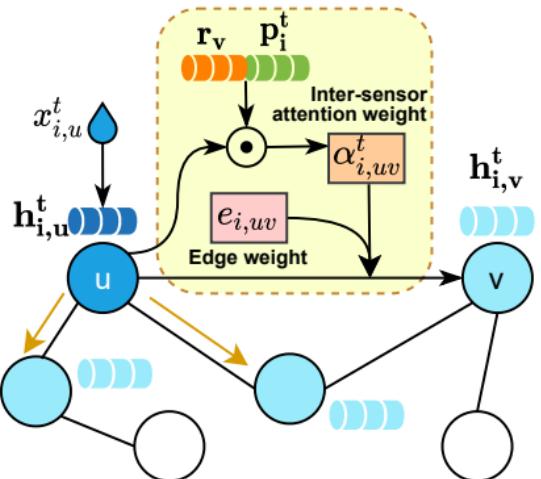
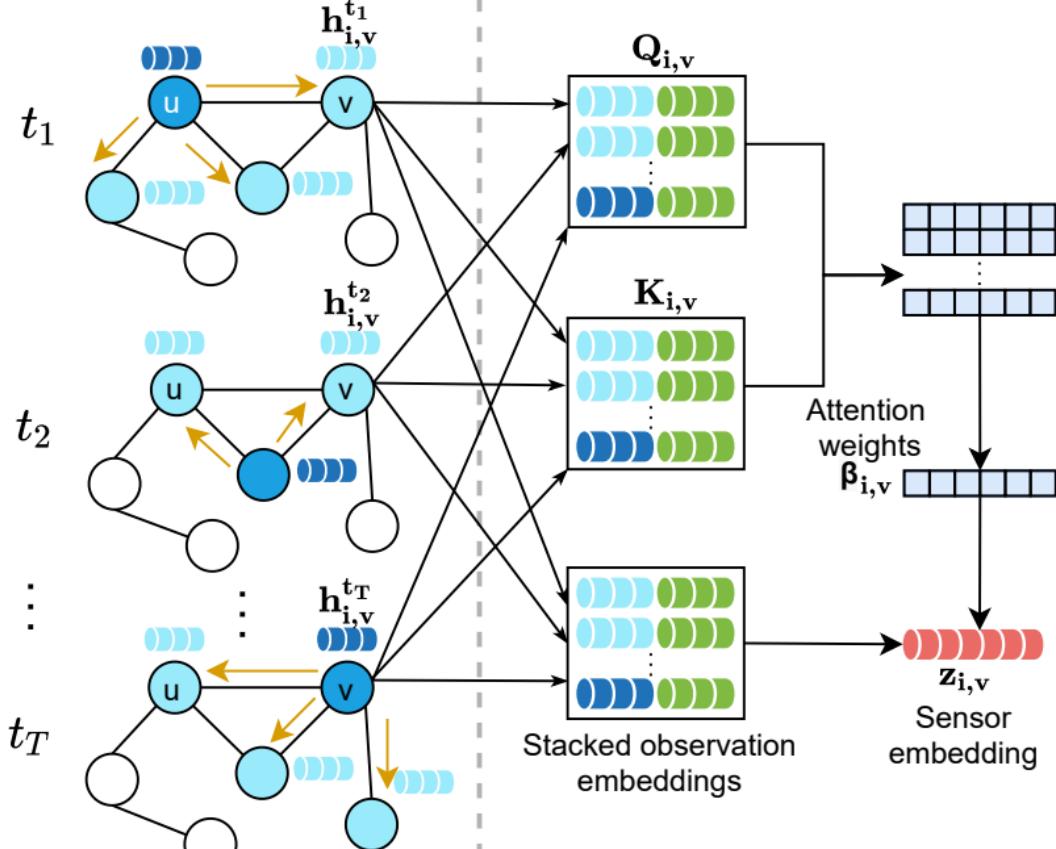


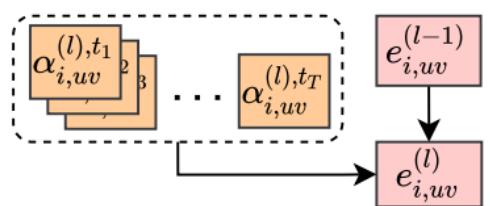
**a** Sample  $S_i$  records the value  $x_{i,u}^t$  of sensor  $u$  at time  $t$



**b** Observation-level processing in sample  $S_i$       Sensor-level processing in sample  $S_i$



**c** Update edge weight  $e_{i,uv}^{(l)}$  in Sample  $S_i$  at layer  $l$



Observation (input)

Sensors

Dot product

Message passing

Weight vector

Learned embeddings  
Time representation