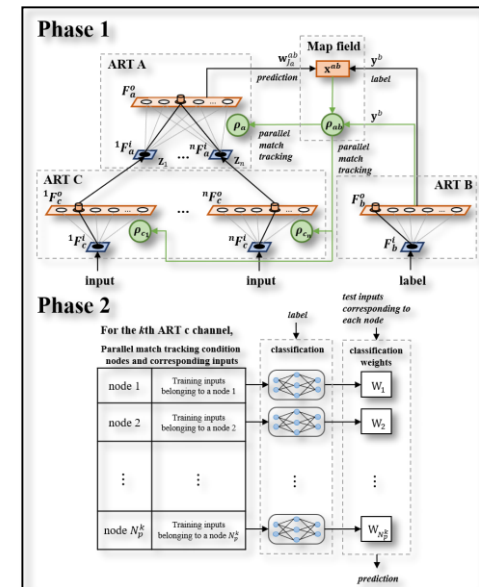# Multi-channel Classification Resonance Network

Joonhyuk Kim, Gyeong-Moon Park,
and Jong-Hwan Kim

School of Electrical Engineering, KAIST, Republic of Korea

- MCRN receives inputs from multiple channels and classifies the inputs in a supervised manner
- In Phase 1, MCRN predicts labels of test inputs in real-time by modified fusion ARTMAP
- In Phase 2, MCRN reclassifies the inputs near the decision boundaries by MLP

The overall structure of Multi-channel Classification Resonance Network (MCRN)