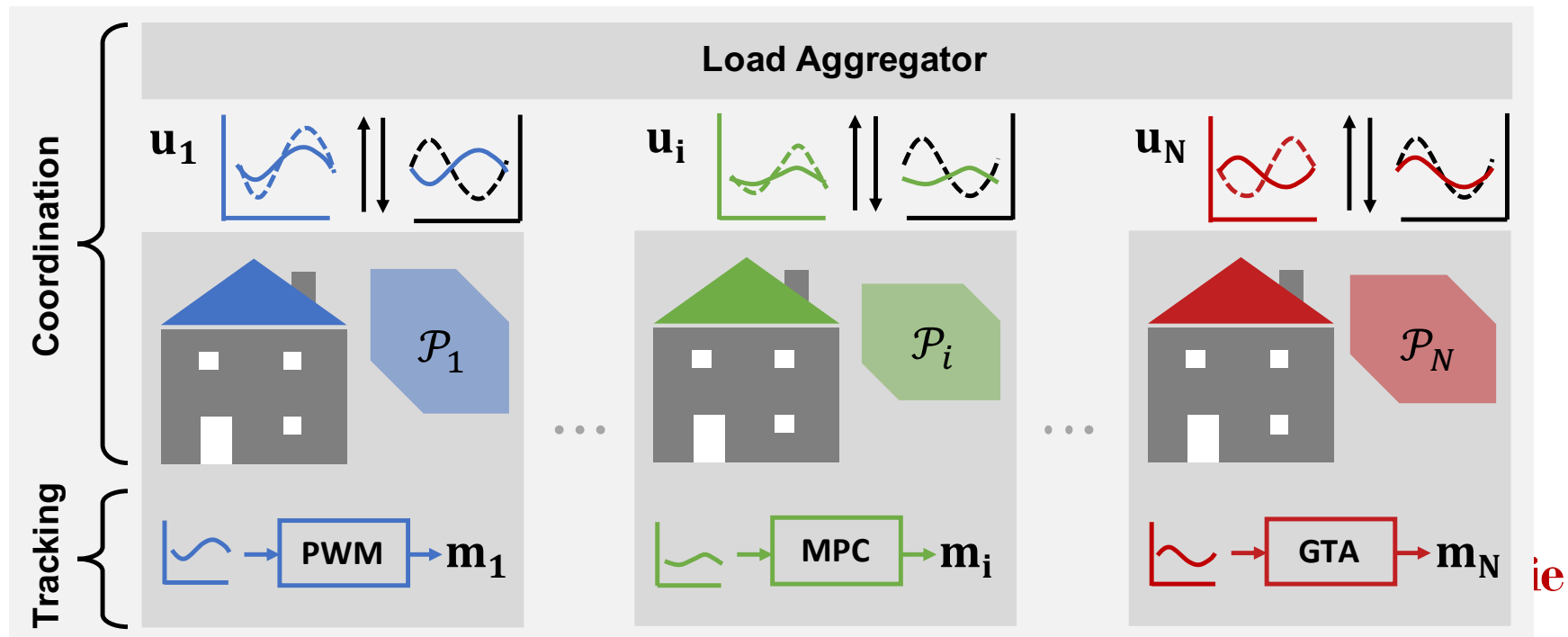


# COHORT: Coordination Of Heterogeneous Residential Thermostatically controlled loads





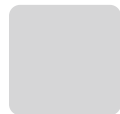
How do we coordinate a large population of flexible building loads to address challenges arising from modern grid operation?



How do we ensure end-use requirements are satisfied for individual buildings given their system-specific dynamics?

**We validated that COHORT is practical for real-world systems through a hardware-in-the-loop simulation.**

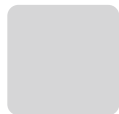
Simulated  
Households



...



...



...

My  
Apartment



⋮

⋈

⋮

⋈

⋮

⋈

⋮



...



...



...



(a)



(b)



(c)

