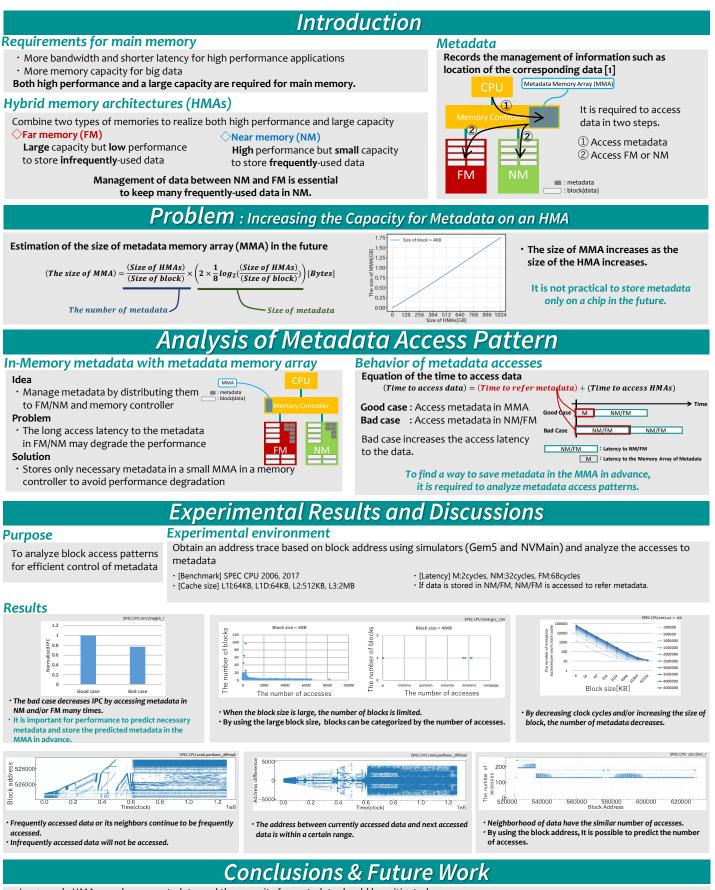
Metadata Management for Large-Scale Hybrid Memory Architectures



- Large-scale HMAs need more metadata, and the capacity for metadata should be mitigated.
- This research analyzes block access pattern to realize the in-memory metadata management with metadata caching.
- The experimental results show the behavior of metadata accesses to predict metadata in the HMAs.
- In the future, it is planned to implement the metadata prediction mechanism by using the metrics.

[1] Chia Chen Chou, et al. Cameo: A two-level memory organization with capacity of main memory and flexibility of hardware-managed cache. In Proc. of Micro, pp. 1–12, 2014.