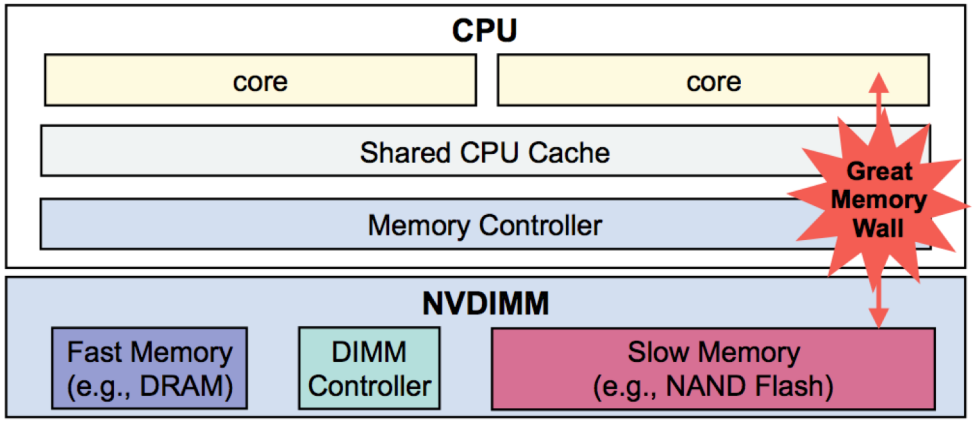
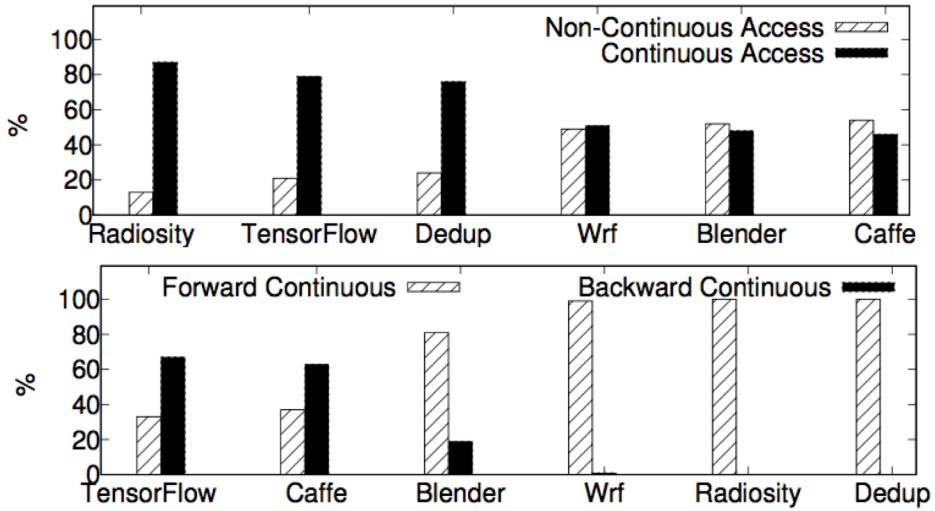
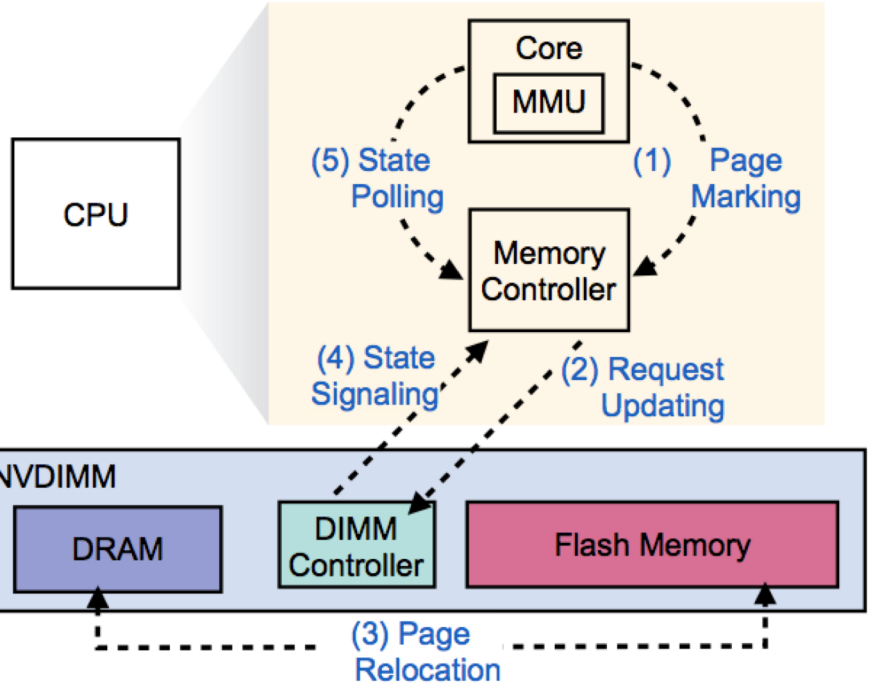
Joint Management of CPU and NVDIMM for Breaking Down the Great Memory Wall

- We propose a *joint management framework* to efficiently relieving the impact of great memory wall. (IEEE Transactions on Computers)
  - Investigate the potential challenges by applying NVDIMM for expanding the main memory. Also, investigate process access behaviors on memory.
  - Propose a page semantic-aware strategy to precisely predict, mark, and relocate memory pages to the fast DRAM from the slow flash memory in advance.







- Chun-Feng Wu, Yuan-Hao Chang, Ming-Chang Yang, and Tei-Wei Kuo, "Joint Management of CPU and NVDIMM for Breaking Down the Great Memory Wall," accepted and to appear in IEEE Transactions on Computers (TC).