

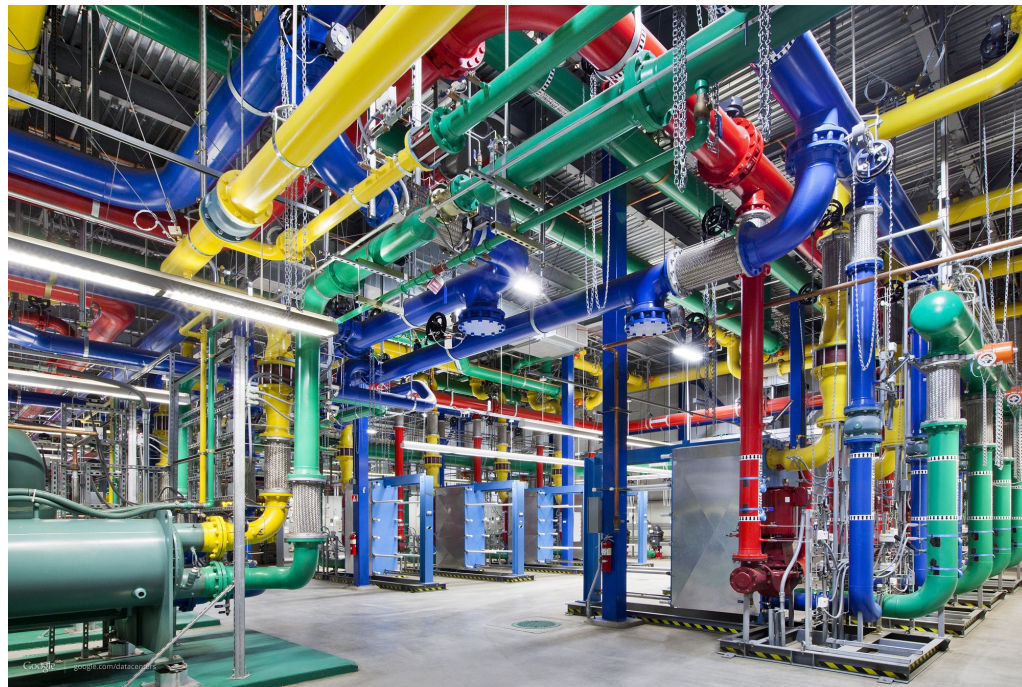
SMiTe: Precise QoS Prediction on Real-System SMT Processors to Improve Utilization in Warehouse Scale Computers

Yunqi Zhang, Michael A. Laurenzano, Jason Mars, Lingjia Tang



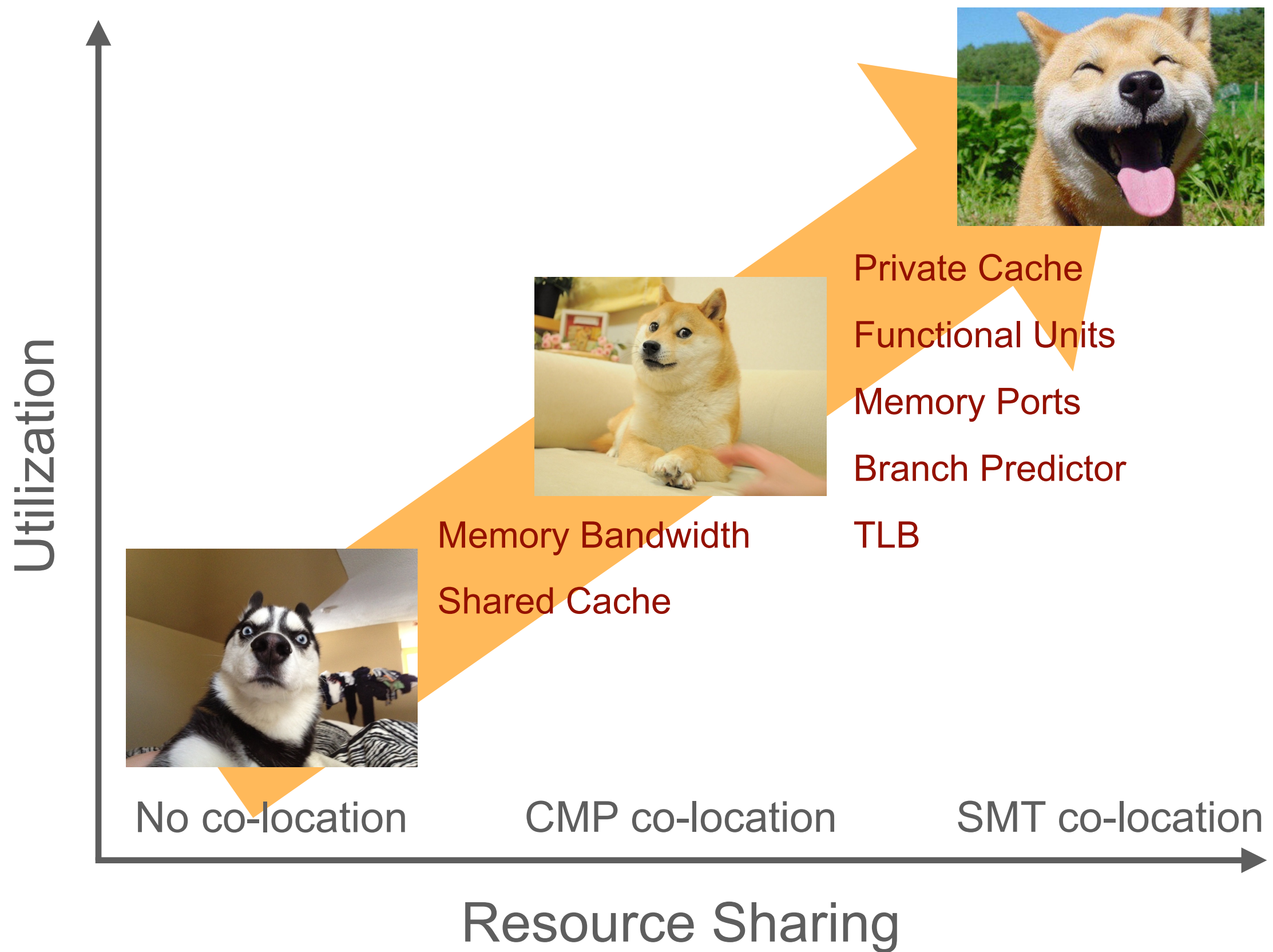
Clarity-Lab
Electrical Engineering and Computer Science
University of Michigan

Data centers are expensive



30%

Low utilization leads to inefficiency





< 2%

Prediction Error

42%

Utilization Improvement

Session 5A
Wednesday at 9:50 A.M.