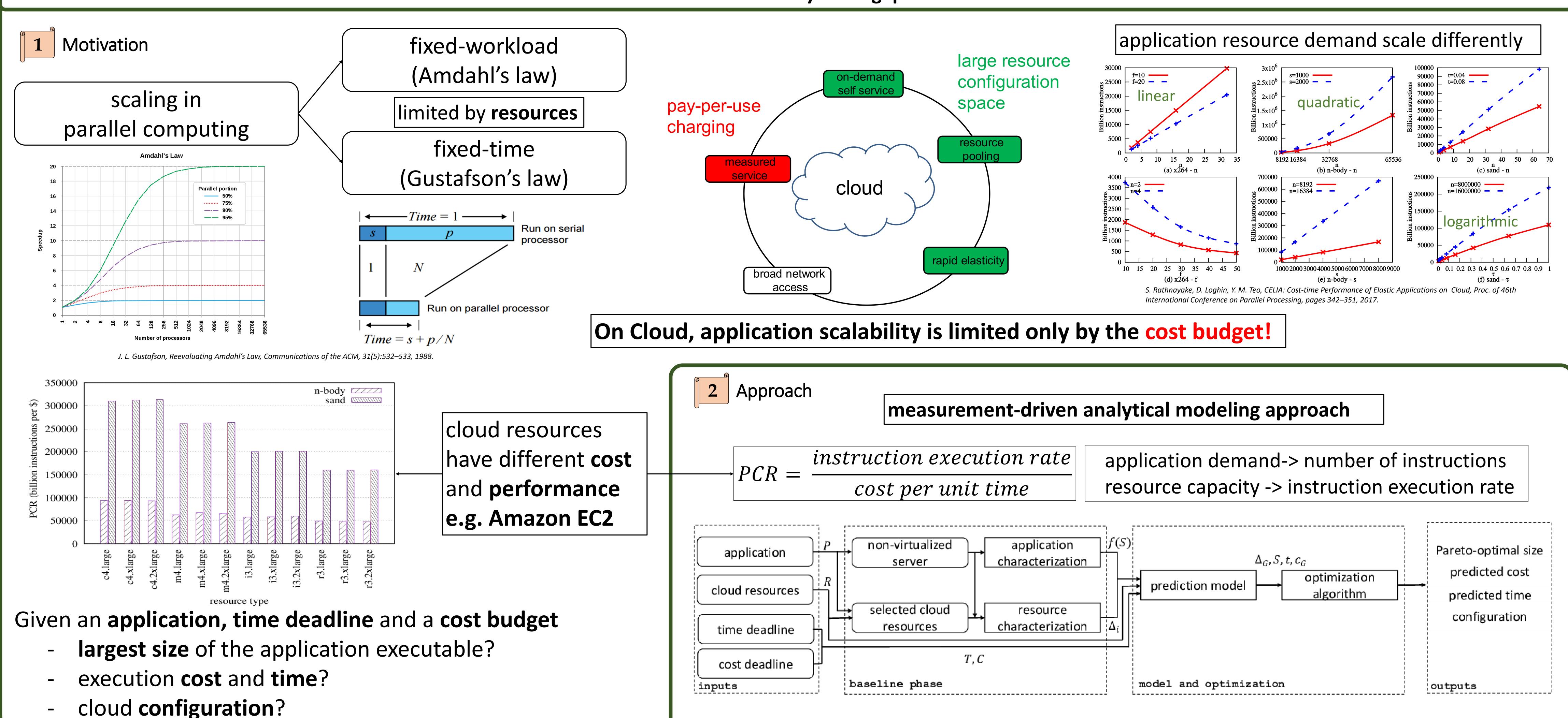
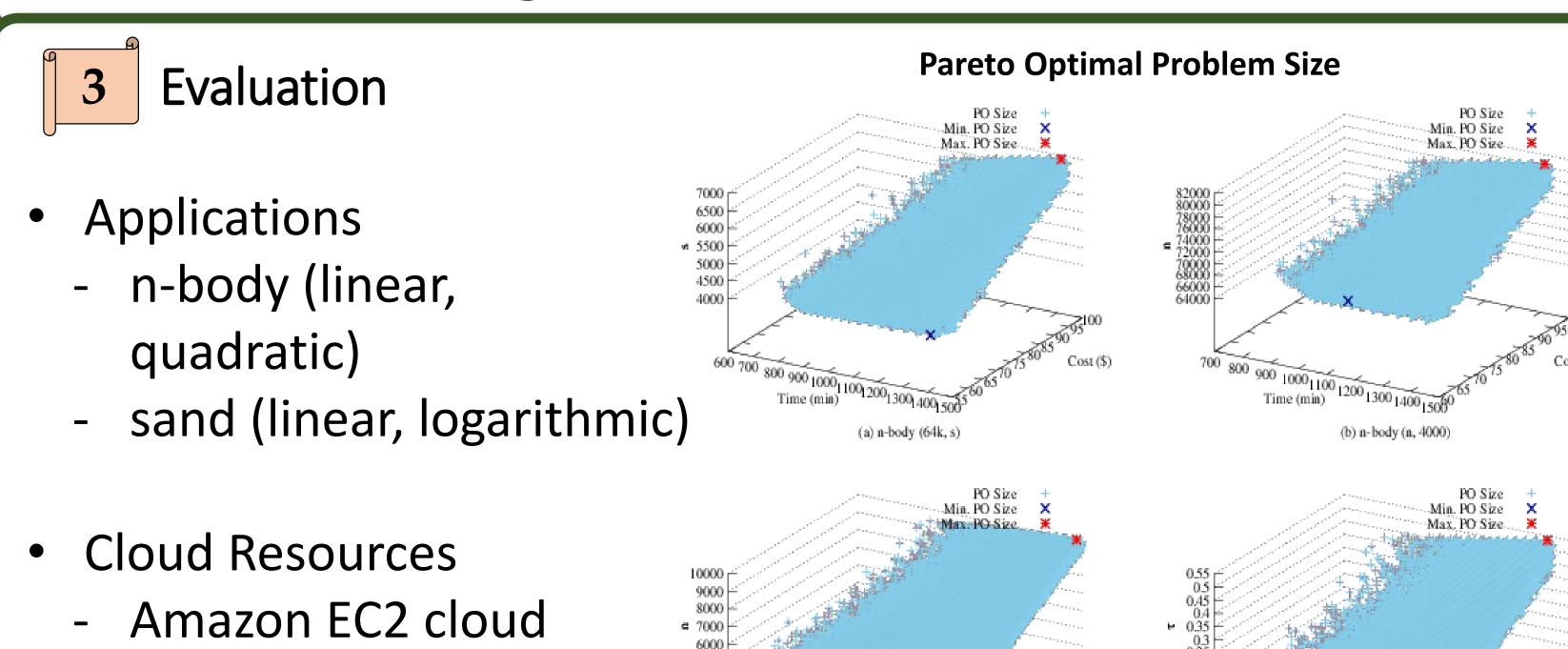
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Cost-Time Performance of Scaling Applications on the Cloud

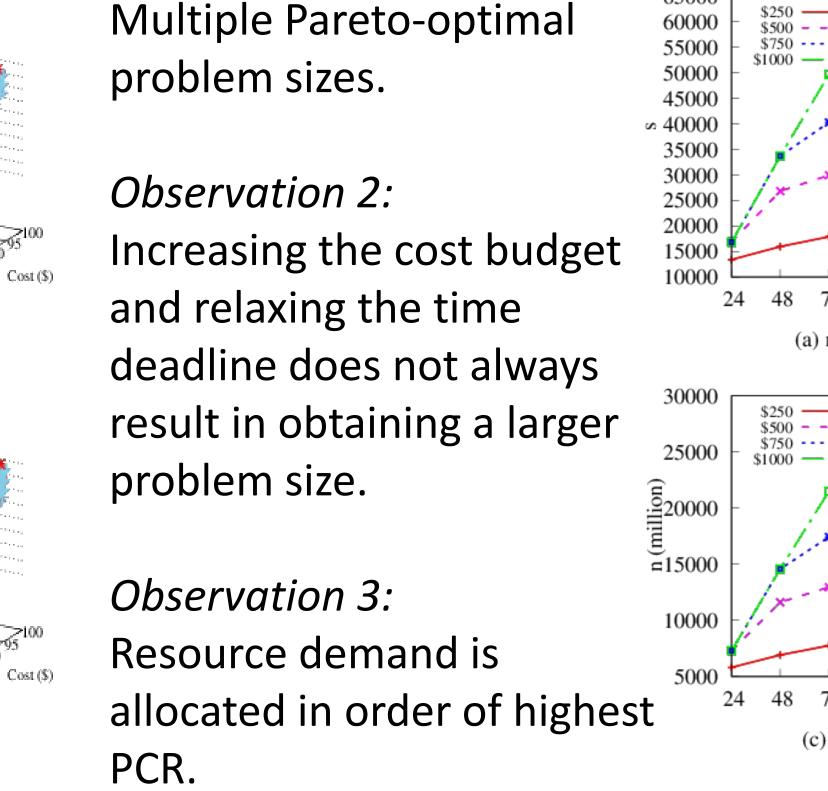
Sunimal Rathnayake, Yong Meng Teo (Advisor) [sunimalr, teoym]@comp.nus.edu.sg **Department of Computer Science National University of Singapore**



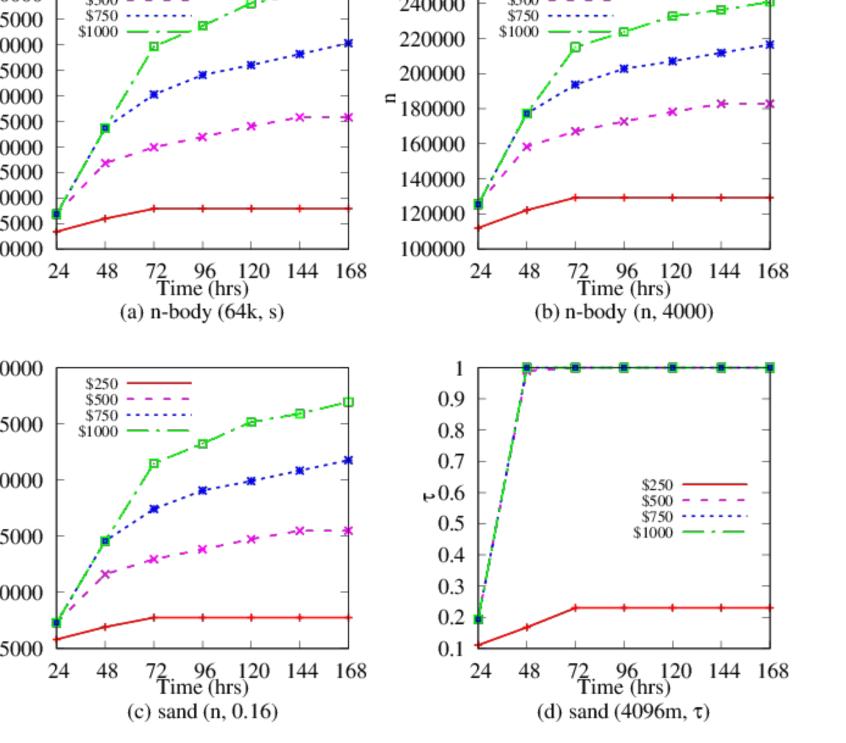




- 9 resource types



Observation 1:



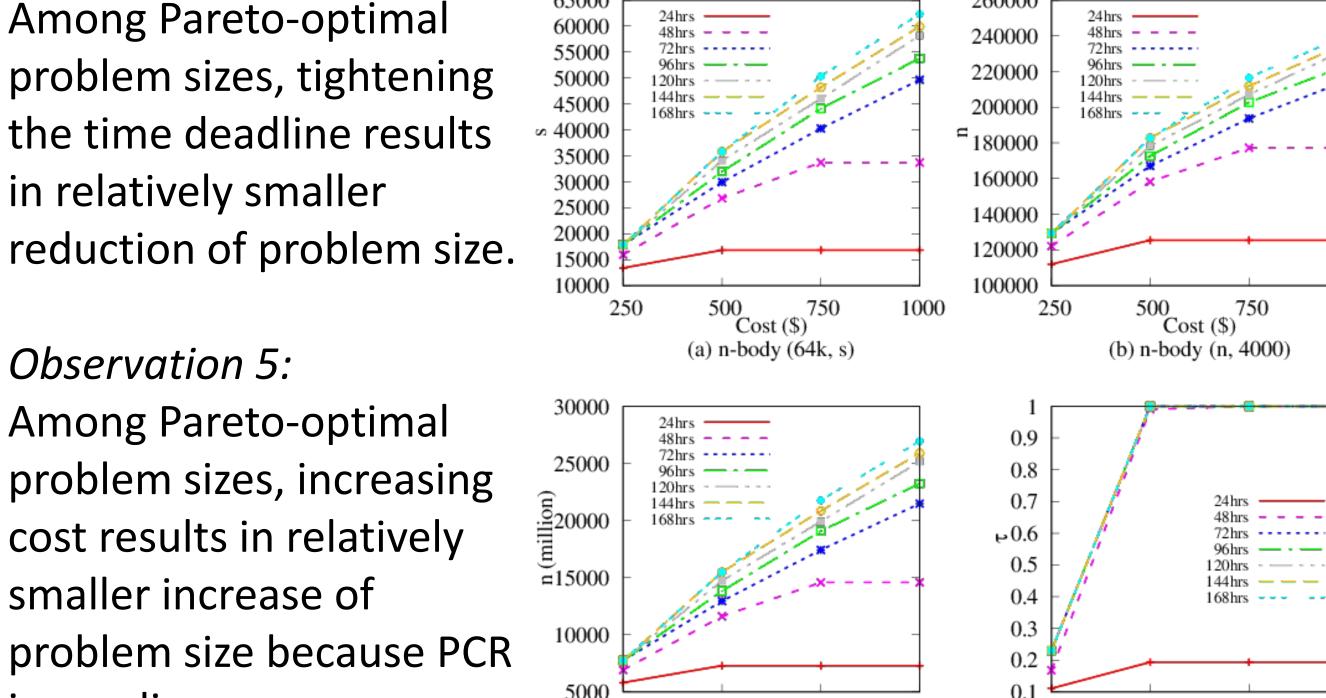
Impact of Time Deadline on Largest Pareto-optimal Problem Size

problem sizes, tightening the time deadline results in relatively smaller reduction of problem size. Observation 5: Among Pareto-optimal problem sizes, increasing cost results in relatively smaller increase of

is non-linear across

resource types.

Observation 4:



(d) sand (4096m, τ)

Cost (\$)

Impact of Cost Budget on Largest Pareto-optimal Problem Size