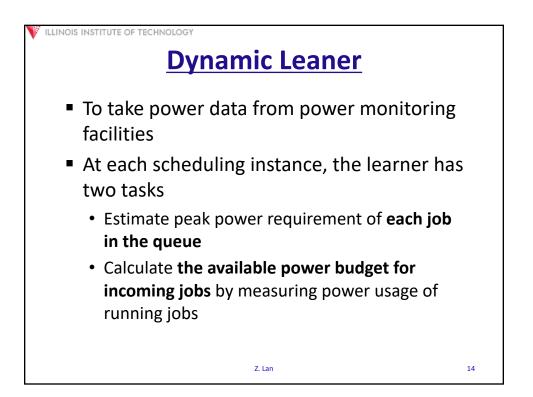
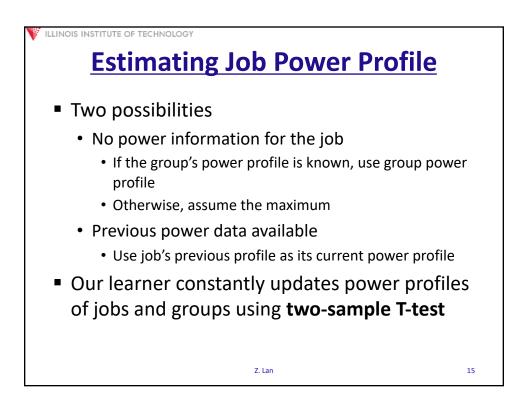
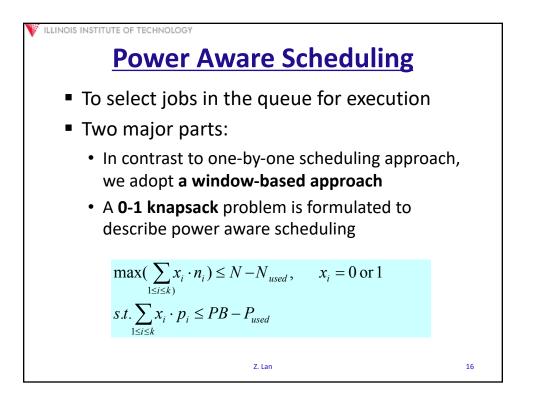
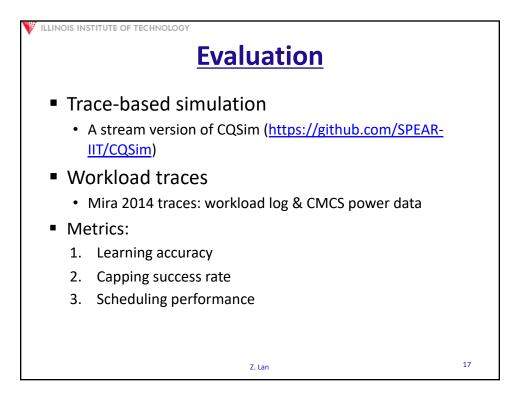


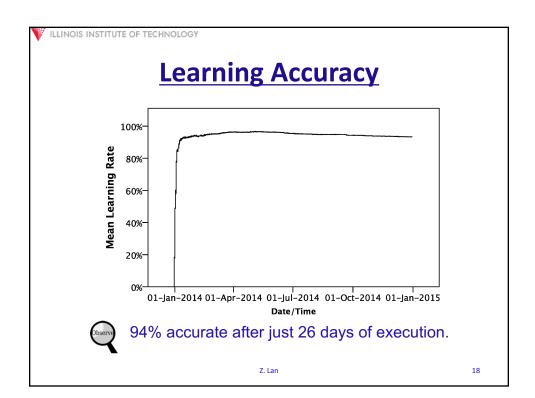
ILLINOIS INS		ustrative Exa	<u>mple</u>
	Job	Job Size (Racks)	Power Profile (kW/rack)
Head of	Jo	3	60
Vait queue	J ₁	1	50
	J_2	5	30
	J_3	4	40
• Co • Ou	nventional F(rack system with total pow CFS always selects $, J_1>elects , J_2> as this max$	 leaving 2 racks unused.
		Z. Lan	13

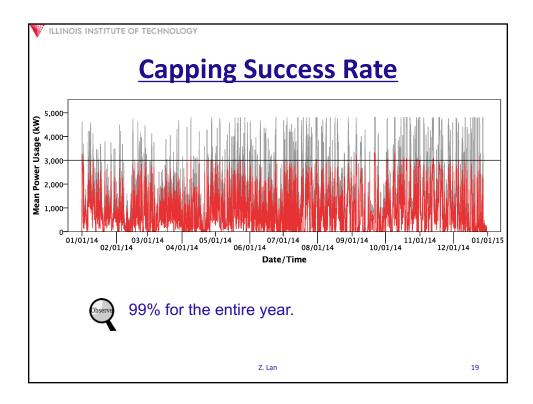


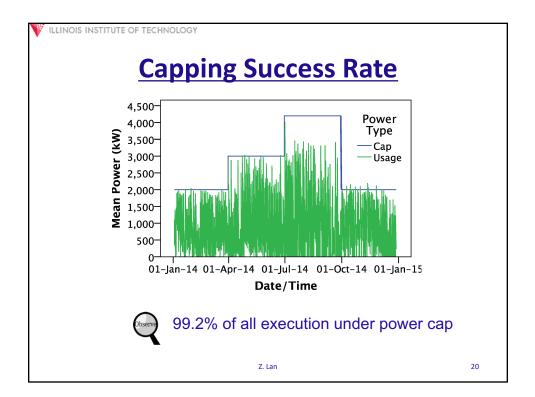


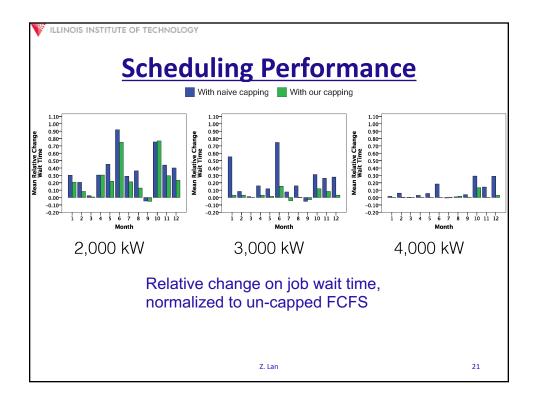


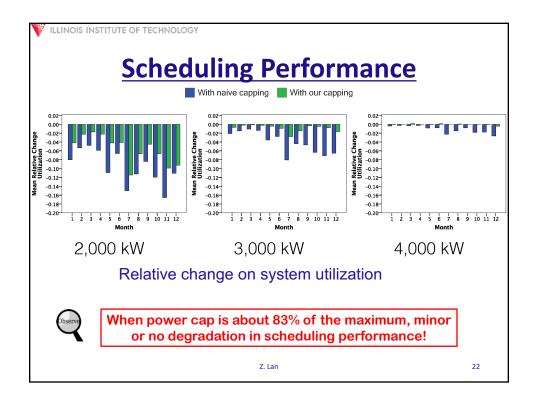


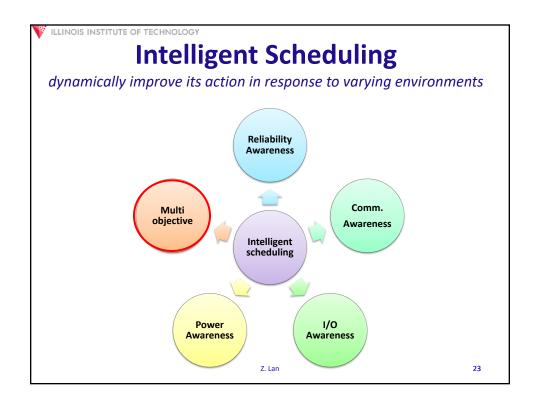


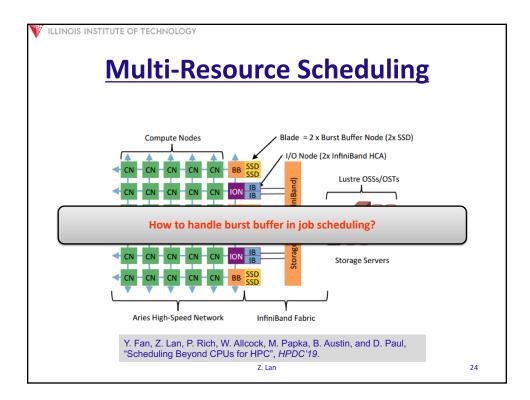


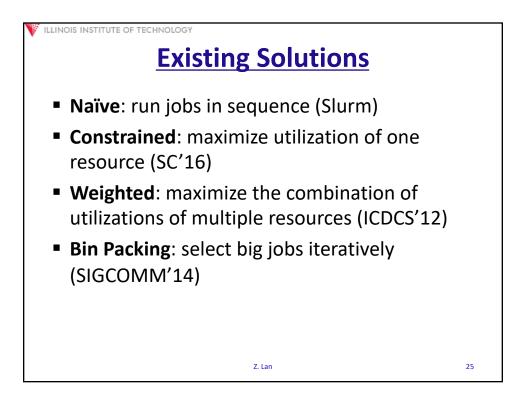


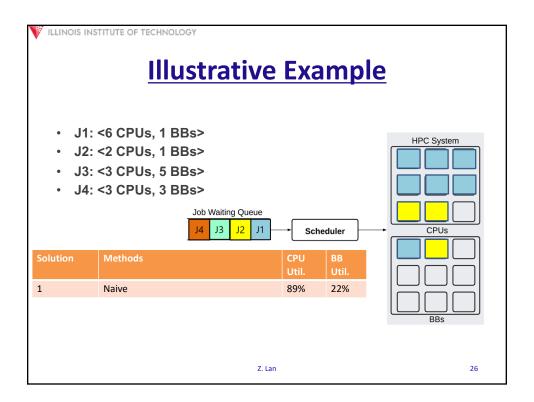


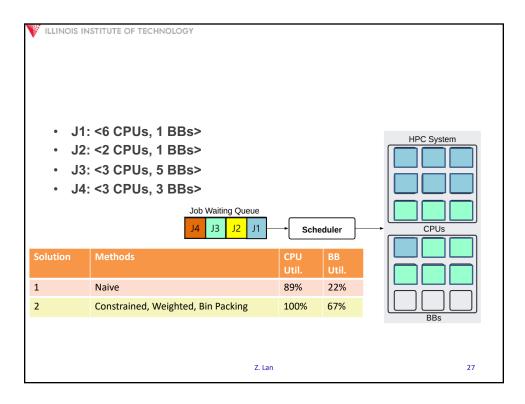


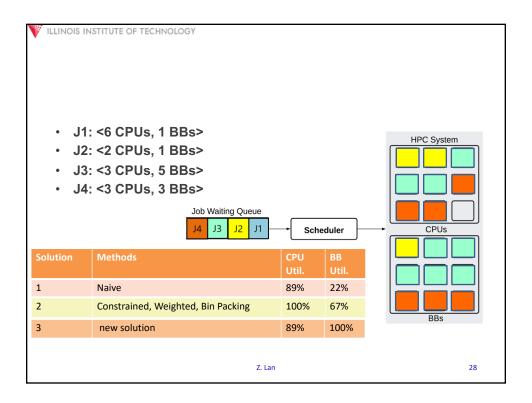


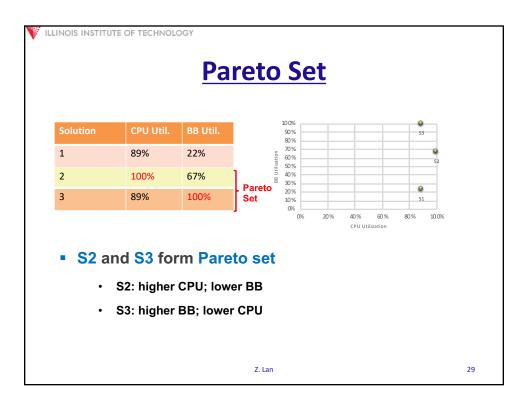


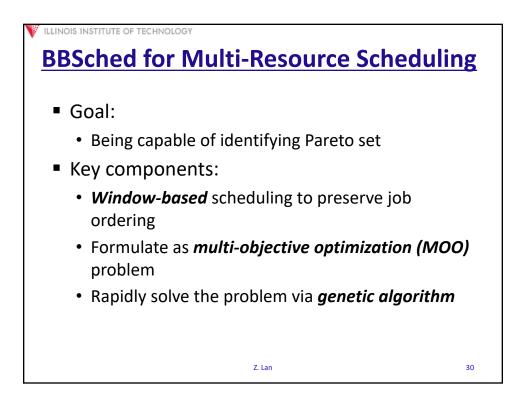


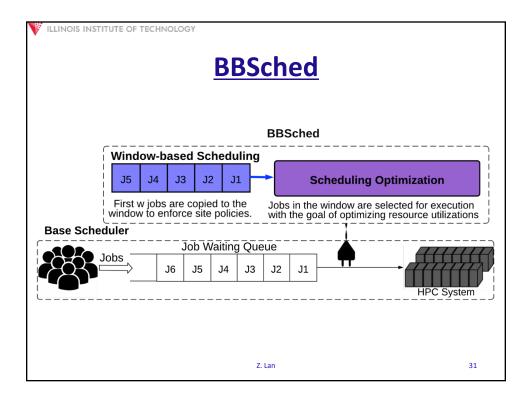


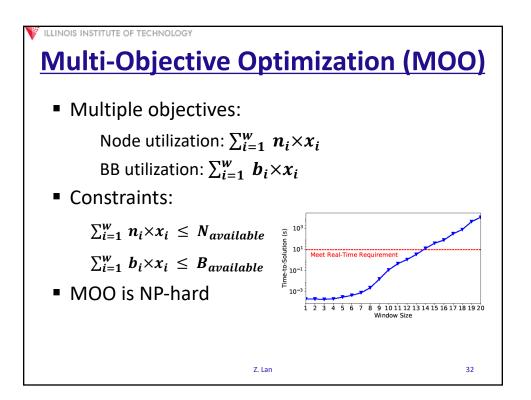


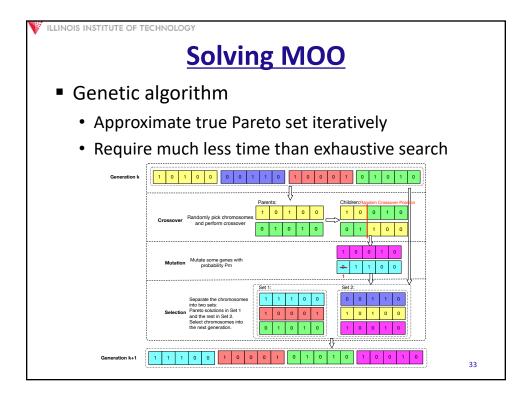


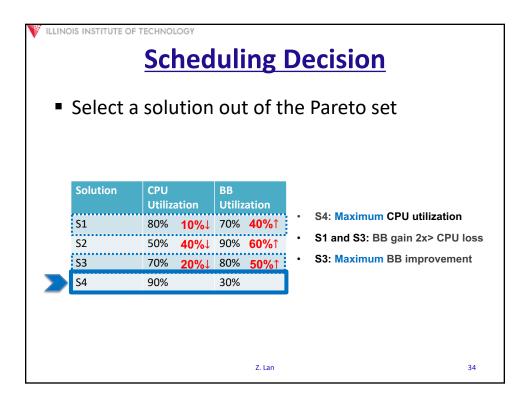












	Evaluation	
	nulation via CQSim com/SPEAR-IIT/CQSi	m
	es (Cori@LBNL, Theta	
	Cori	Theta
Location	NERSC	ALCF
Scheduler	Slurm	Cobalt
System Types	Capacity computing	Capability computing
Commute No doo	12,076	4,392
Compute Nodes	(2,388 Haswell; 9,688 KNL)	(4,392 KNL)
Aggregated Memory	1,304.5TB	913.5TB
Shared Burst Buffer	1.8PB	1.26PB (projected)
Trace Period	Apr. 2018 - Jul. 2018	Jan. 2018 - May. 2018
Number of Jobs	2,607,054	70,507
	Slurm log	Darshan log
BB Data Source		

