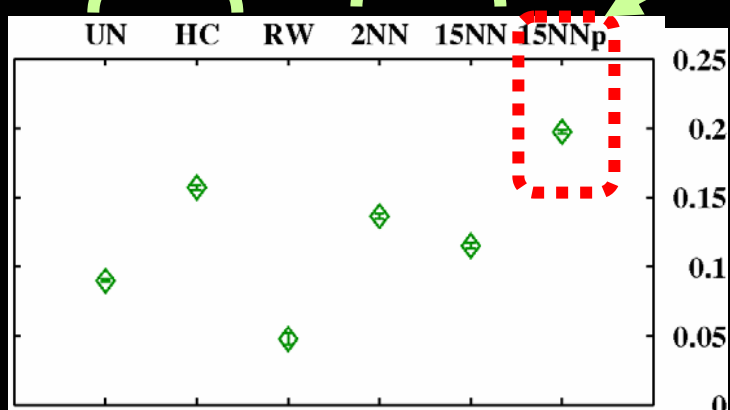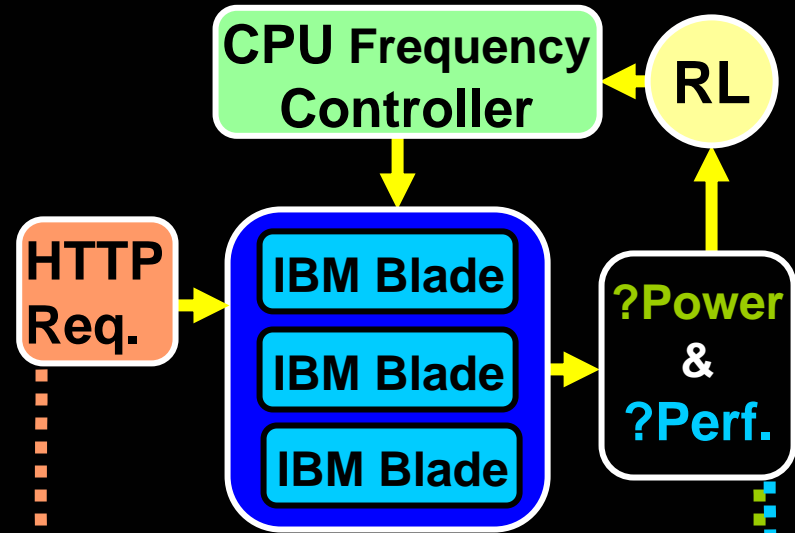# Managing Power Consumption and Performance of Computing Systems Using Reinforcement Learning (Poster ID T8)

G. Tesauro, R. Das, H. Chan, J. Kephart, C. Lefurgy, D. Levine, F. Rawson: IBM Research

- **Managing power consumption is a major issue in data centers**
- **Major new application domain for RL: we learn policy for dynamic control of CPU clock speed trading application performance vs. consumed power**
- **We employ a realistic test-bed**
- **We demonstrate utility gain over hand-designed policies & obvious RL implementations**