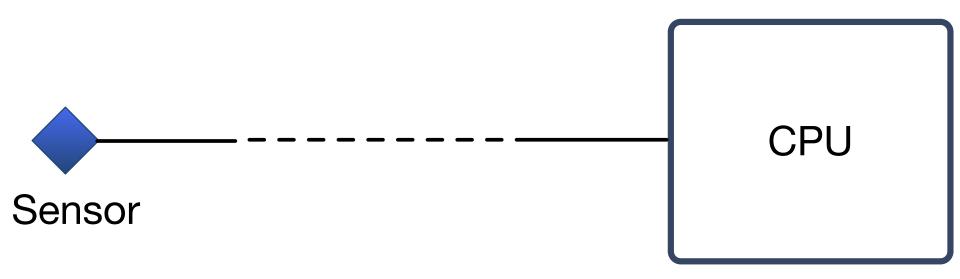
Approximate Computing for Energy-Harvesting Sensor Nodes

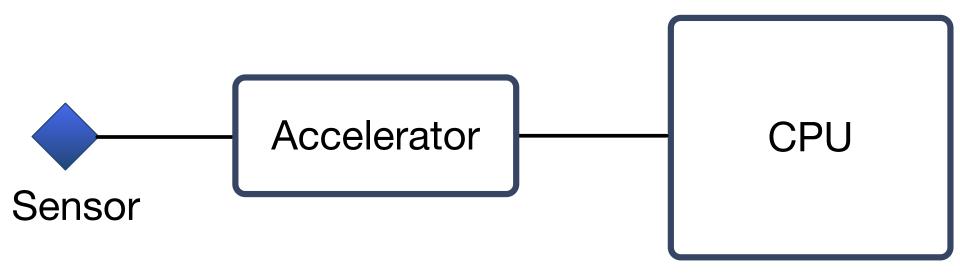
Armin Alaghi

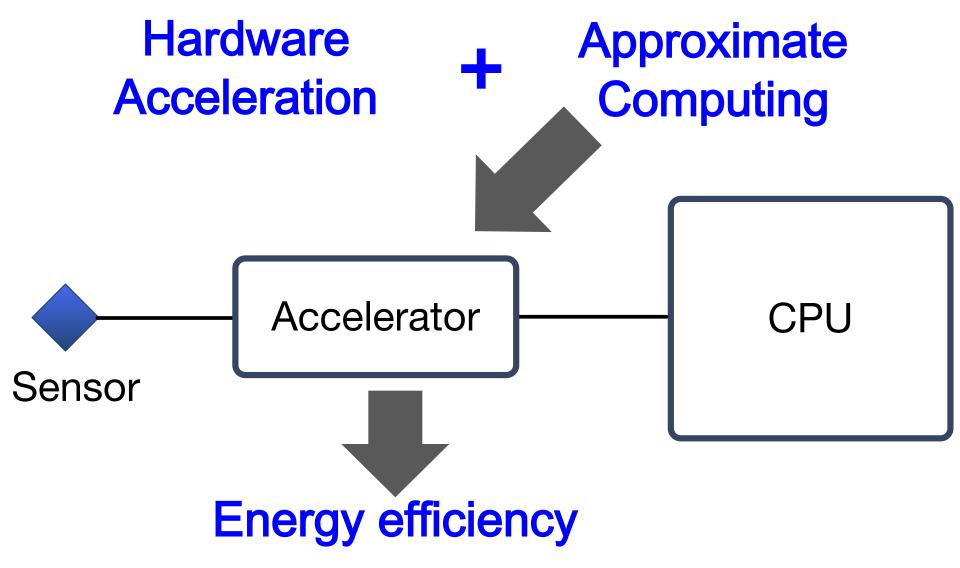
Research Associate
Computer Science and Engineering Department
University of Washington

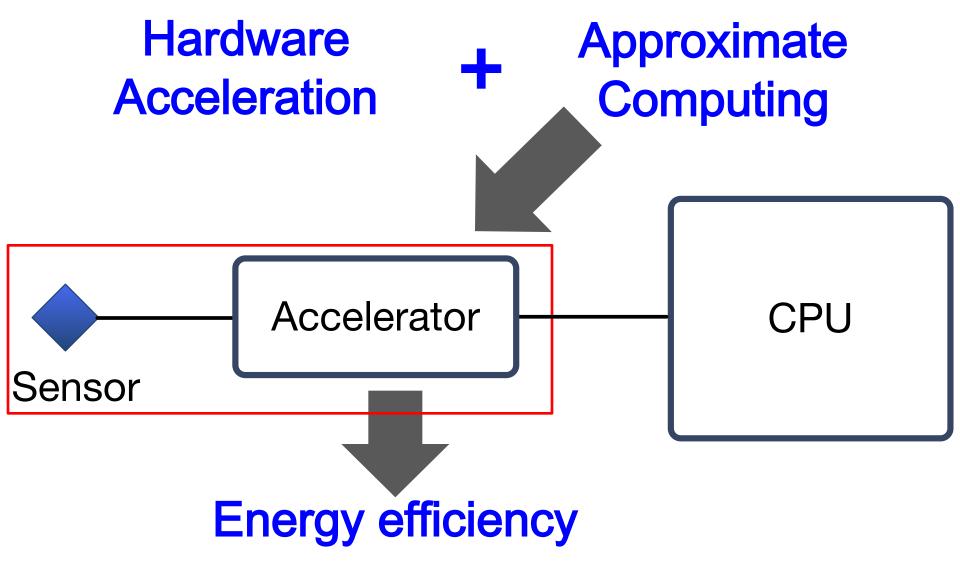
April 3, 2016



Hardware Acceleration

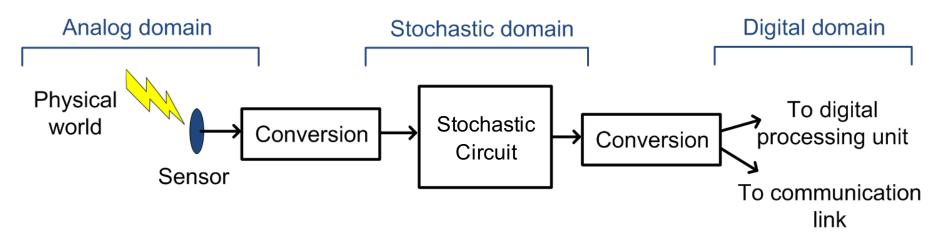




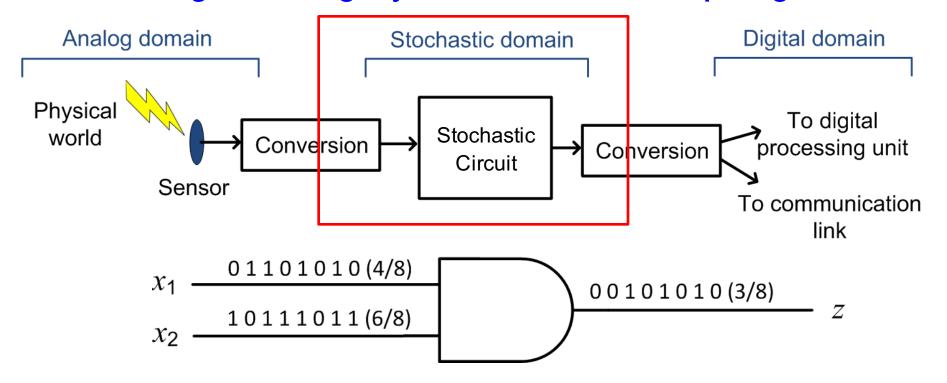


- Signals/inputs are already approximate
- Applications are amenable to approximation
- Closer to the circuit level

Digital-Analog Hybrid: Stochastic Computing



Digital-Analog Hybrid: Stochastic Computing



Digital-Analog Hybrid: Stochastic Computing

