Carole-Jean Wu CRA-W Grad Cohort, Class of 2007

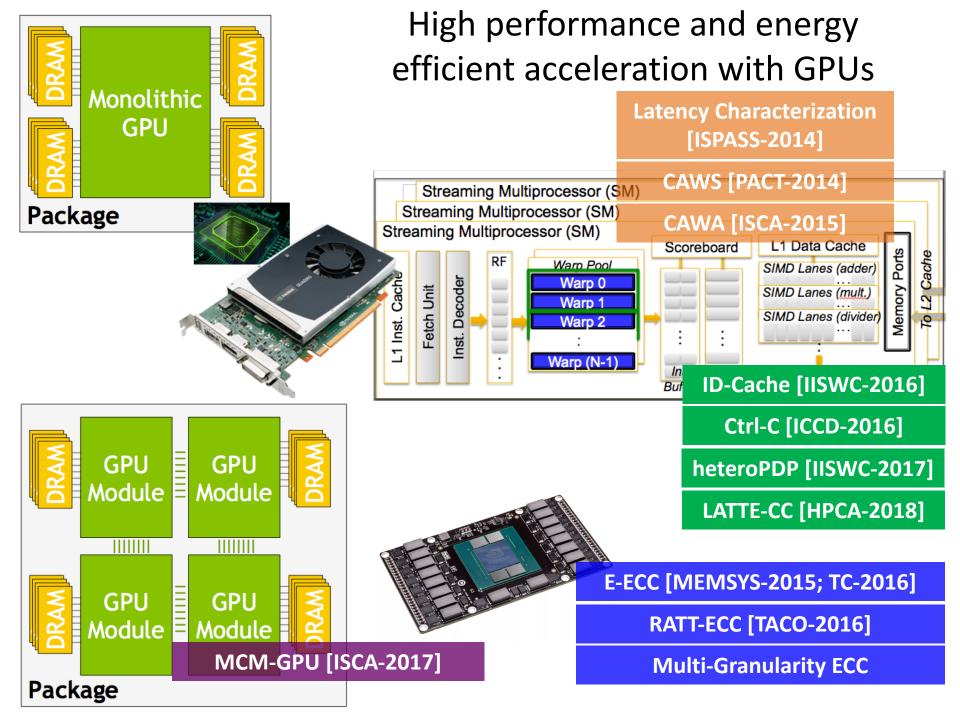
# **Carole-Jean Wu**

Designing System and Processor Architecture for High Performance and Energy Efficiency

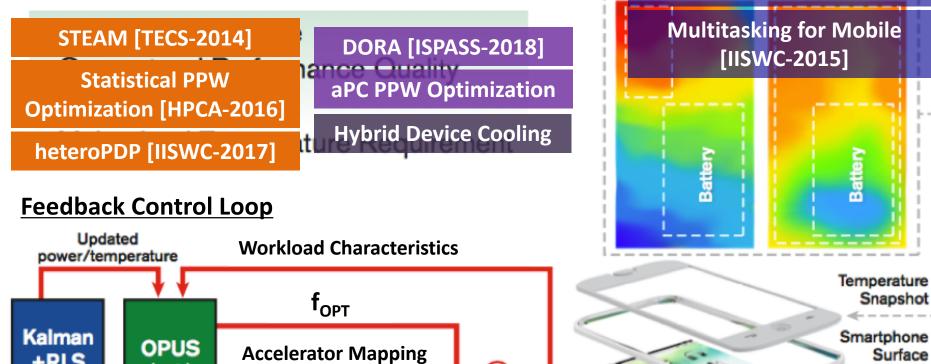
- Assistant Professor, ASU
- PhD, Princeton University
- BS, Cornell University
- Research topics
  - Heterogeneity for performance acceleration and energy efficiency optimization
  - Energy harvesting for emerging computing platforms
  - Advanced processor and system cooling designs and energy management







Performance, temperature, energy<br/>management for portable electronicsMobileBench [IISWC-2013]<br/>Joule/Instruction [IISWC-2013]<br/>2014]



TLP for Mobile [ISPASS-2015]

Layer

Kalman +RLS Filter OPUS (t, Q) Accelerator Mapping I<sub>OPT</sub> Cooling Process Noise

## CRA-W Grad Cohort 2007, 2008, 2009

### Grad Cohort 2007



Grad Cohort 2009



#### Grad Cohort 2008



PhD, 2012





Computing Research Association Women

### **Carole – Lessons from Grad Cohort**

- Be ready and be open-minded for exciting opportunities
- Identify important problems and explore less well studied research paths
- Do excellent research & present your work exciting opportunities will follow
- Cultivate relationships mentors, supports, advocators, sponsors

• Prioritize and take time to recharge yourself!

