

# Diversity of Workloads and Opportunities for Specialized Processors

## Excellent way to get power-efficient performance boosts

- Special-purpose, tuned solutions for common functions
- Drop to low-power states when not in use
- Enabled by Modern API's

## Aligns with modularity imperative

- Co-processor becomes another (optional) "IP block"
- Micro-architecture: Command delivery, Synchronization, Streaming

**Many possible opportunities now, and in the future**

