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Organizer, HiPChips 2022
Meta, OCP
Start with the **need**...
New Workloads

Workload Diversity
Unbounded fleet size
New Economics

Moore’s Law Decline
7nm chip with 10B transistors may cost $500M to design
New Approach: Domain Specific Architectures

DSAs
Accelerators via HW/SW co-design
New Approach: Domain Specific Architectures

- Workload Diversity
  - Unbounded fleet size

- Moore’s Law Decline
  - 7nm chip with 10B transistors may cost $500M to design

- DSAs
  - Accelerators via HW/SW co-design
Old approach is **unworkable**
New approach is evolving
HiPChips!
MOVE 
FAST AND 
BE OPEN