

Introduction

Maulik Shah is the Director of Segment Marketing at **Intel Foundry**, responsible for driving customer engagements for HPC, AI segments, Chiplets and enabling Systems Foundry.

He has spent 24 years at Intel in various senior leadership roles spanning across the globe including architecture, software engineering, strategic planning and marketing, business development, partner initiatives and customer engagement.

Mr. Shah is an alumni of the Stanford Graduate School of Business and holds a M.S. in Engineering (Computer Science) from the University of Massachusetts and B.S. (Chemical Engineering) from the University of Mumbai.



Structural Shifts in Customer Needs

AI/HPC

has surpassed
mobile revenue



Source: Gartner

intel foundry

Systems of chips

Chiplets surpass
monolithic by 2028



Source: Gartner

Vertical Integration

Auto & CSP

Workload Optimization

≤5nm Wafer TAM:

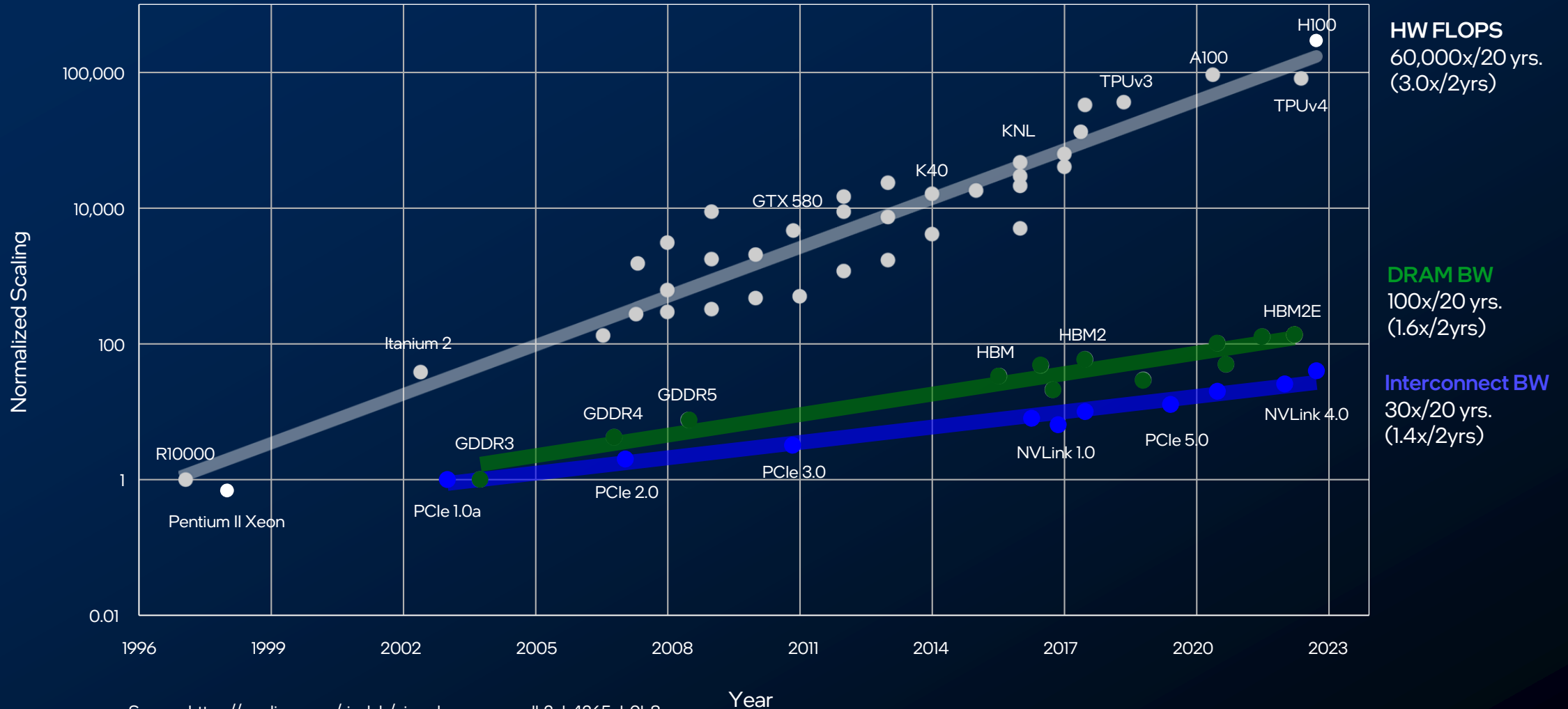
4% in 2024 to 12% in 2030



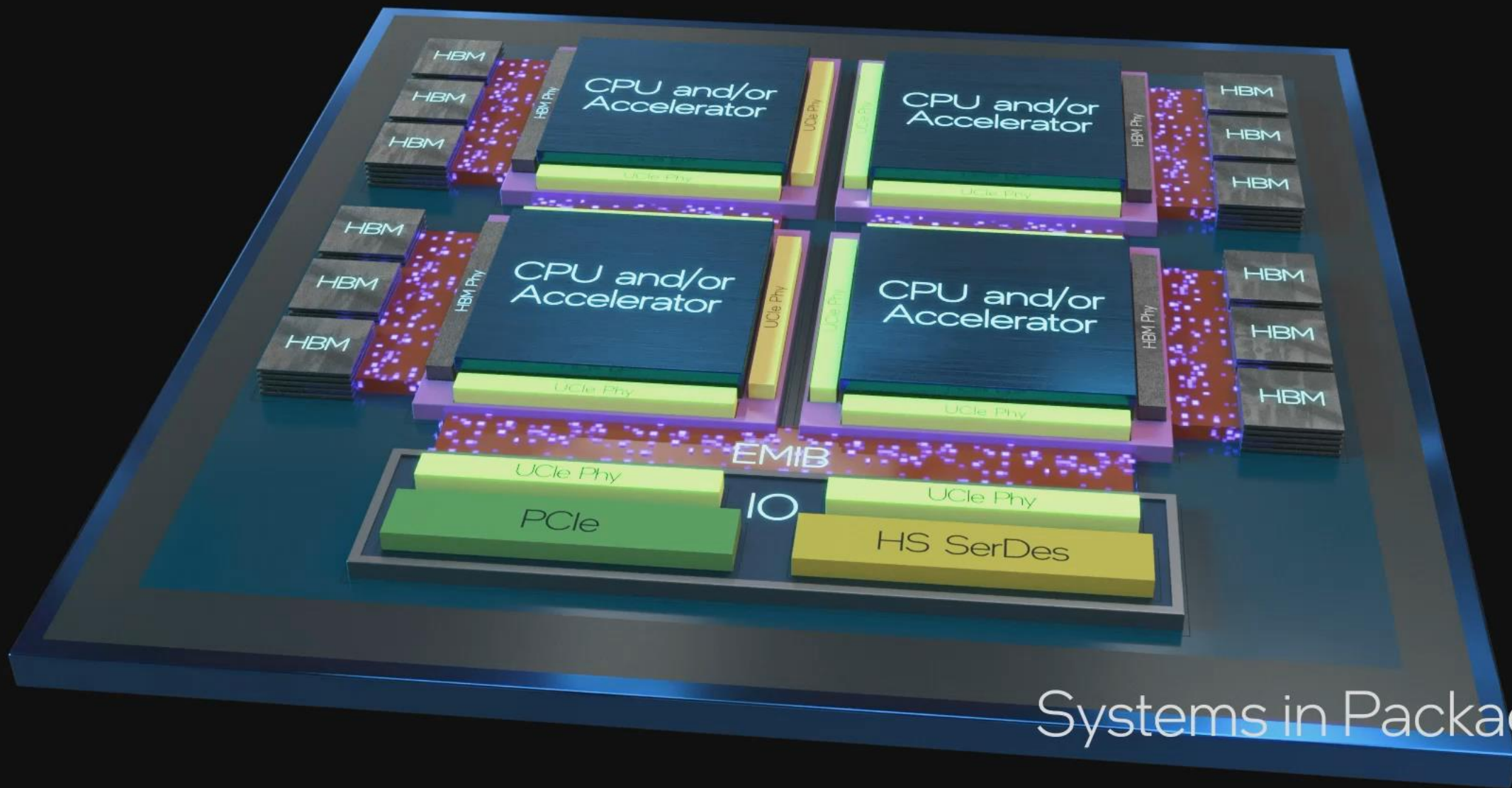
Source: IHS, SemiAnalysis

Challenge: Compute Outgrowing Bandwidth

Scaling of peak Hardware FLOPS and Memory/interconnect bandwidth



Source: <https://medium.com/riselab/ai-and-memory-wall-2cb4265cb0b8>

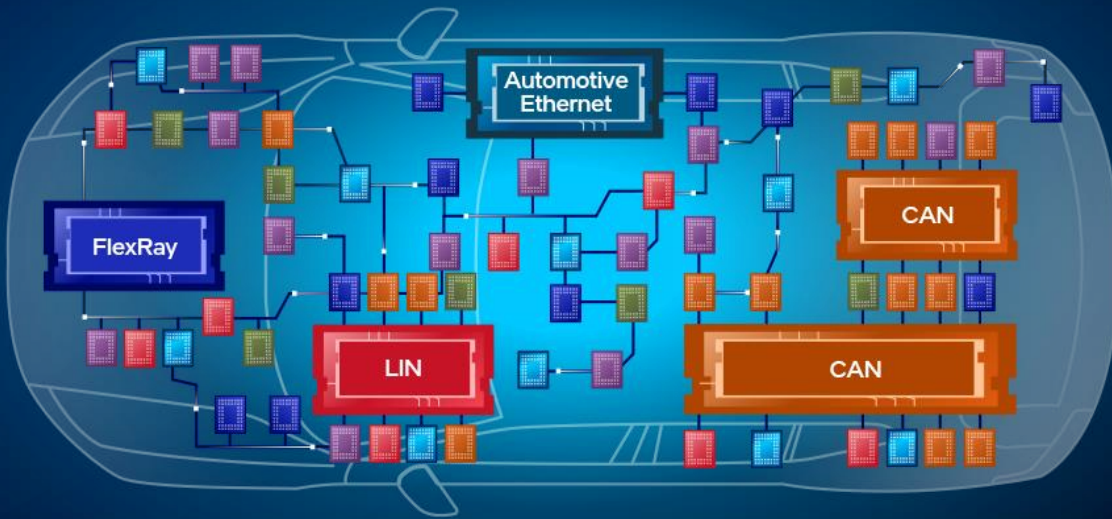


Systems in Package

Automotive Architecture Transformation

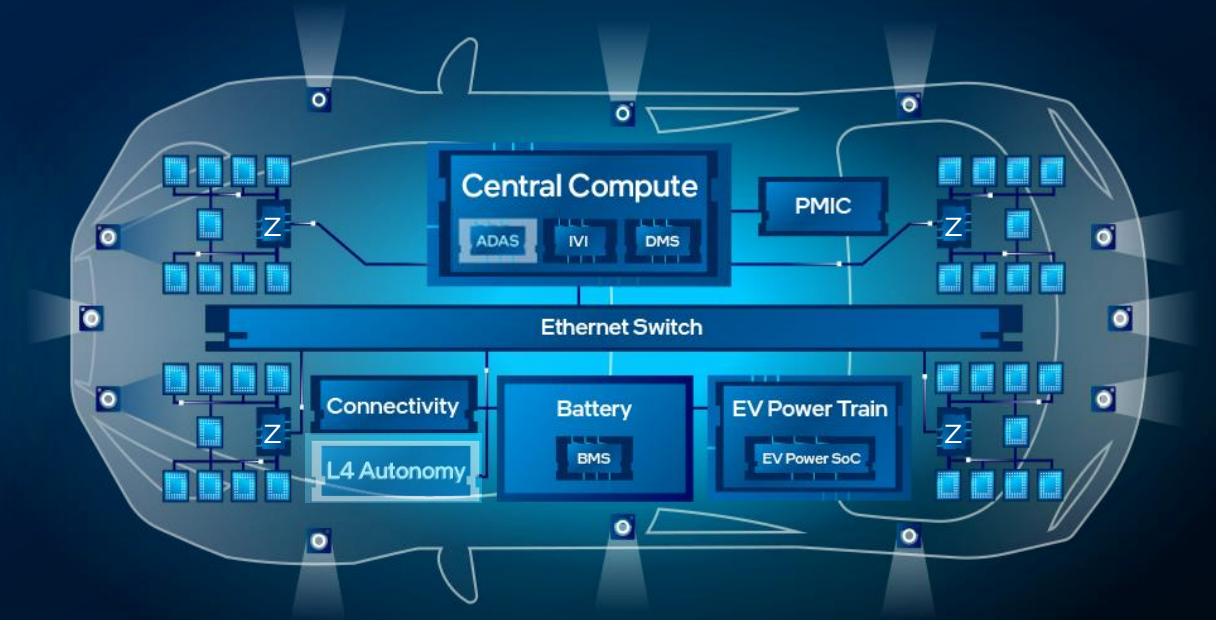
Present

Fixed-Function, Distributed, Traditional



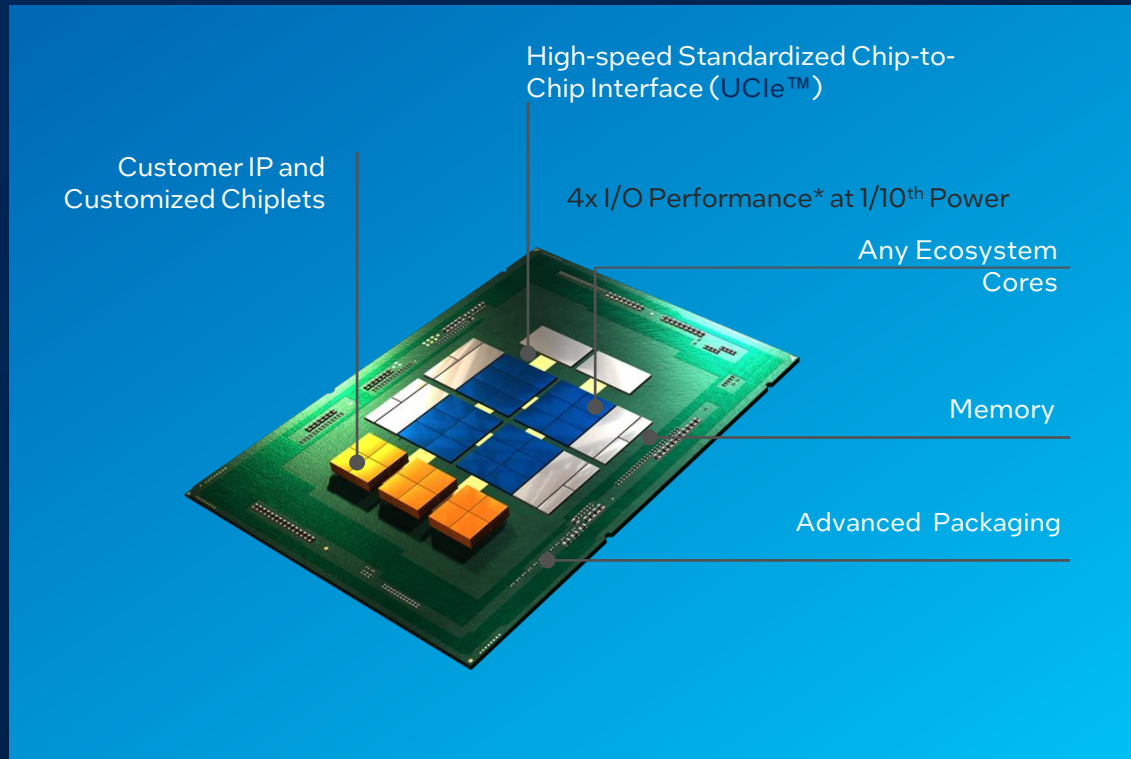
Future

Open, Consolidated, Software-Defined, Connected



Winning Strategic Inflections - Chiplet Revolution

Any Ecosystem Core or Accelerator; Any Intel Packaging



*compared to PCIeG5x16

Opportunity

- Datacenter Megatrend: Accelerators
- Strong Customer Demand

AI
Media
CSP
Networking
Storage

Value Offering

- Open Die-to-Die Interconnect Standard
- Platform, System level & Packaging Leadership
- Customization with IP, Full Integration, and Validation

Customer Engagement

- Key CSPs Endorsed Strategy & Direction
- Value Prop: Fastest Time-to-Market with High Quality

“We will lead a platform transformation enabling new customer and partner solutions with “Chiplets””

- Pat Gelsinger, CEO, Intel

intel foundry

We were made for this