How AI & Semiconductors will Drive Innovation & Productivity

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AI Challenges



More than Moore

Exponential compute & data growth post Moore



Endpoint to Cloud

HW Architecture scaling battery-powered to cloud



Sustainability

The Imperative of Higher Perf/Watt



Safety, Bias, Compliance

Safe & permissible data, model, software

AMD

together we advance_

AMDIAl Hardware PortfolioAl PlatformsData center | Edge | End point

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AMD Al Platforms

Open Al Software Stack



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AI Platforms Powering Edge to Cloud Al



AI Everywhere: Real-World Application



Technology Advancements Boosting Al

Advanced Packaging: Chiplets, 3D Integration

- Increased compute & SRAM density
- Expanded HBM capacity
- Product agility & improved yield

ARRENT CONTRACTOR

Addressing Al Challenges



More than Moore

Domain Specific Architecture (DSA) for AI workloads



Endpoint to Cloud

Diverse DSA variations & optimization points



Sustainability

Leadership Energy-Efficiency via Chiplet and 3D integration



Safety, Bias, Compliance

Open ecosystem Open-source community



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