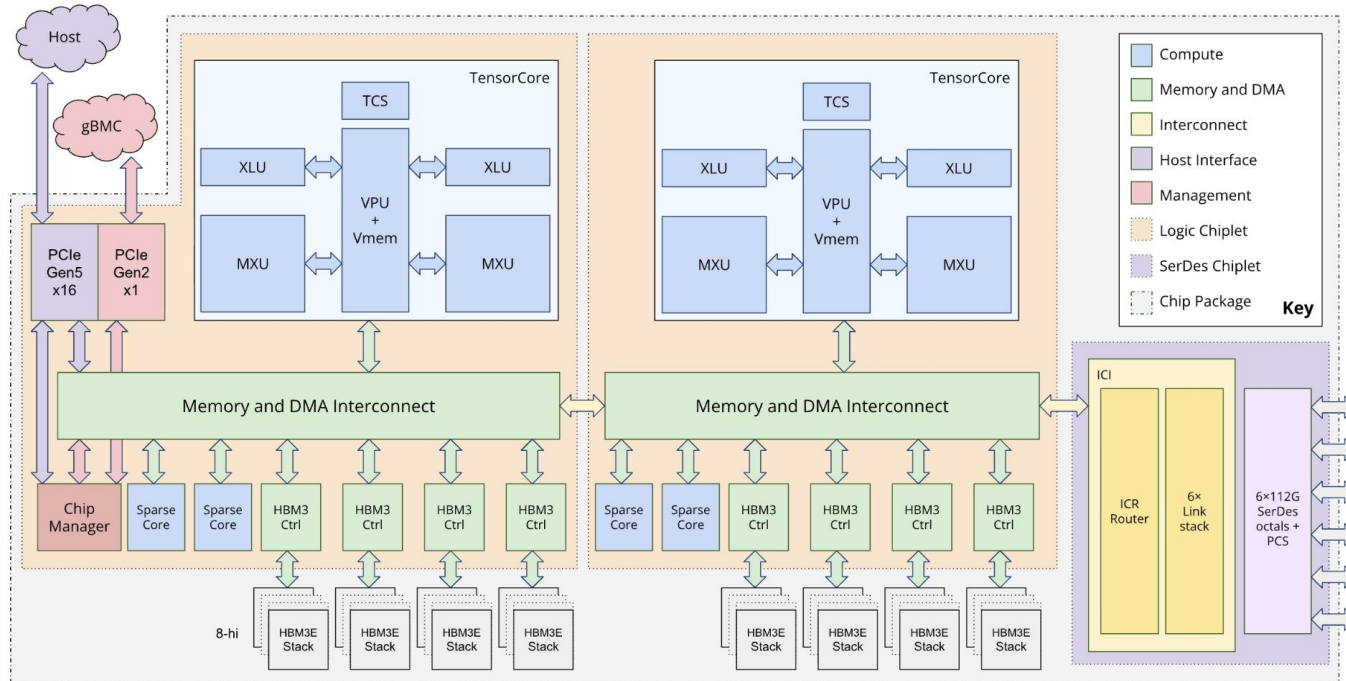
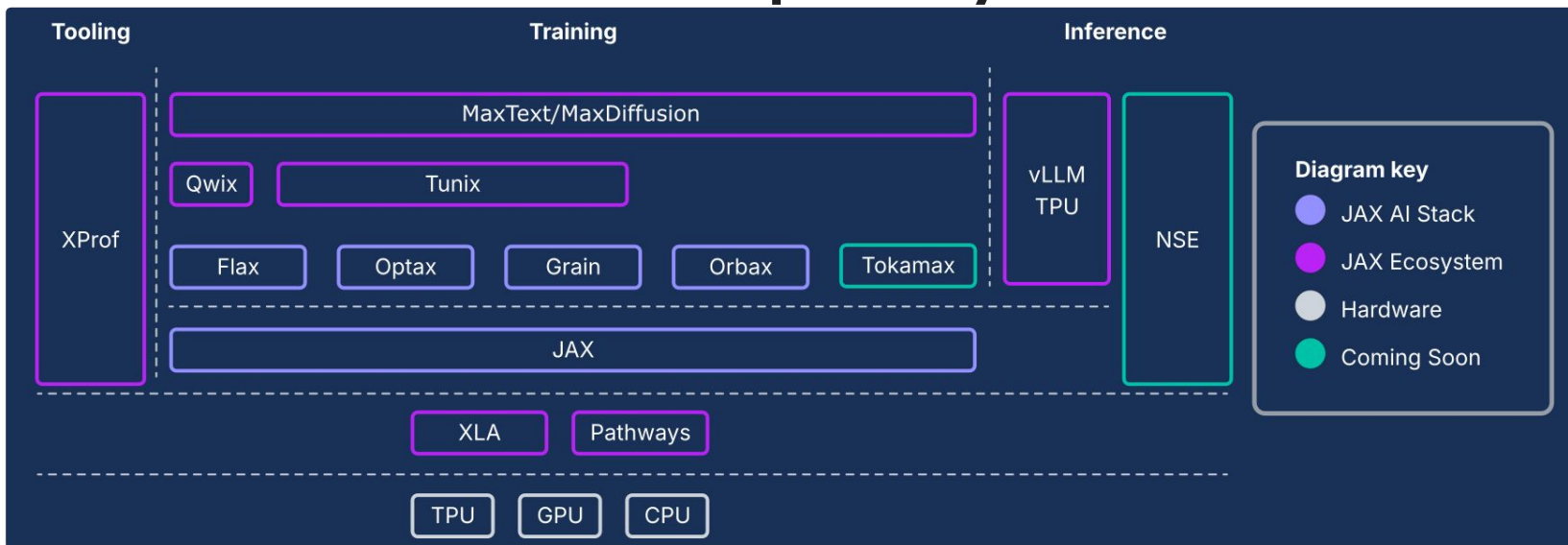


Sponsor Lightning Talk Google@ MLSys 2026



The JAX/TorchTPU AI Stack & Ecosystem Complexity

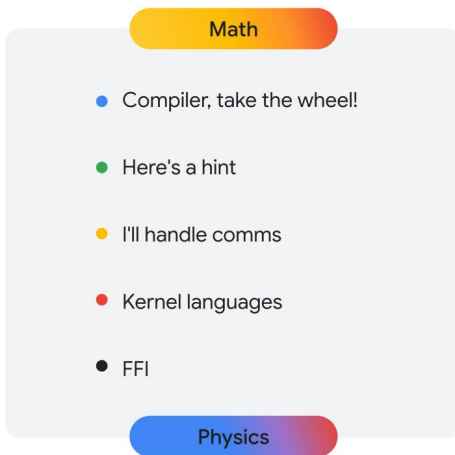
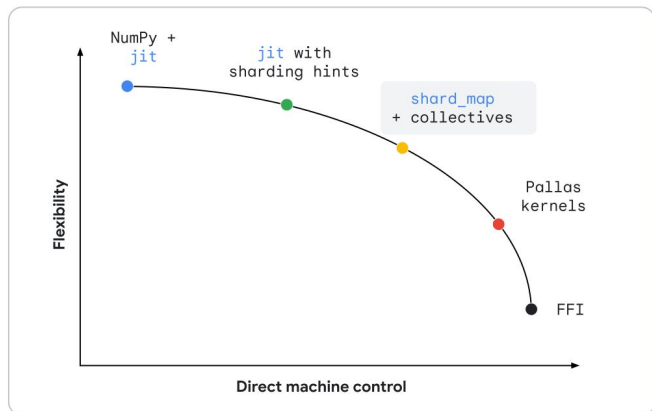


- Application Layer: scalable, OSS reference impl
- Advanced Development Layer: specialized, lower-level tools
- Core Components Layer: essential, composable building blocks
- Infrastructure Layer: foundational technologies

The Continuum of Abstraction & Megakernels

JAX: The escape hatch hierarchy

Flexibility vs. control



- The Megakernel Era: Pushing performance beyond high-level frameworks.
- The Tradeoff: XLA (Compiler-First automation) vs. Pallas (Fine-grained manual control).
- Hardware-Software co-design for the 3P ecosystem

Build the Future With Us

Thank you



Stay in touch with us