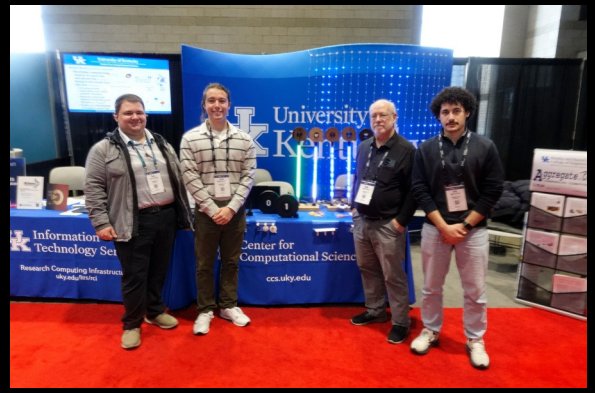
Kentucky @ SC26 Chicago, IL | hpc unites.













Fluff @ SC26

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Fails @ SC26

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Here is the **AI Factory Platform**,
complete with stairs.



Self-Healing HPC!
Step 03: PagerDuty wakes the human on call.



SC26 , a brief summary:



AI Models @ SC26

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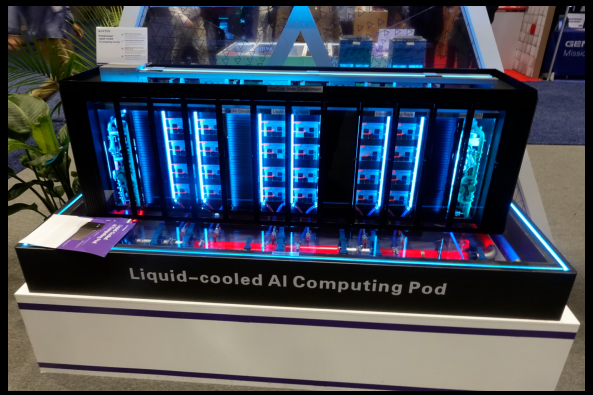

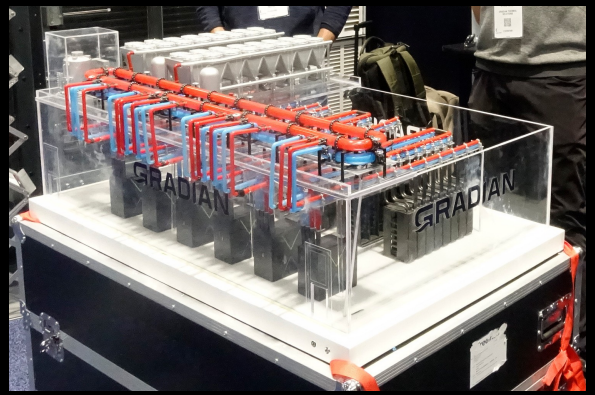

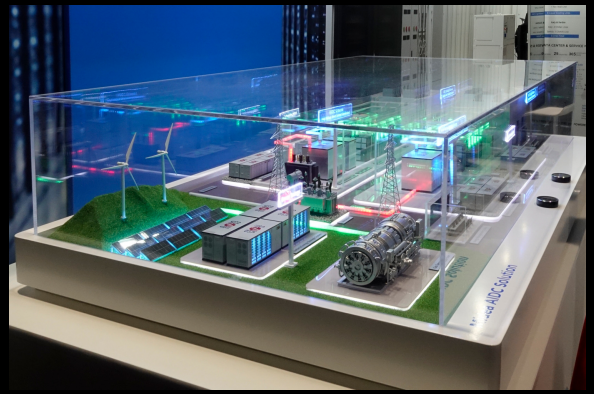

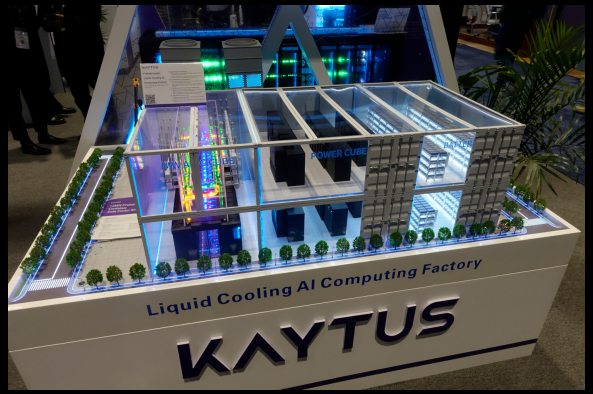

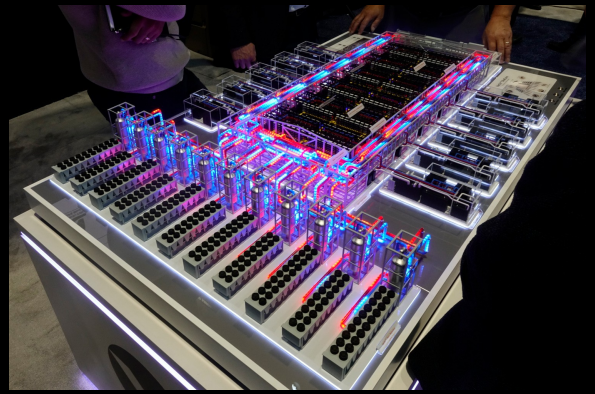

Bigger AI Models @ SC26

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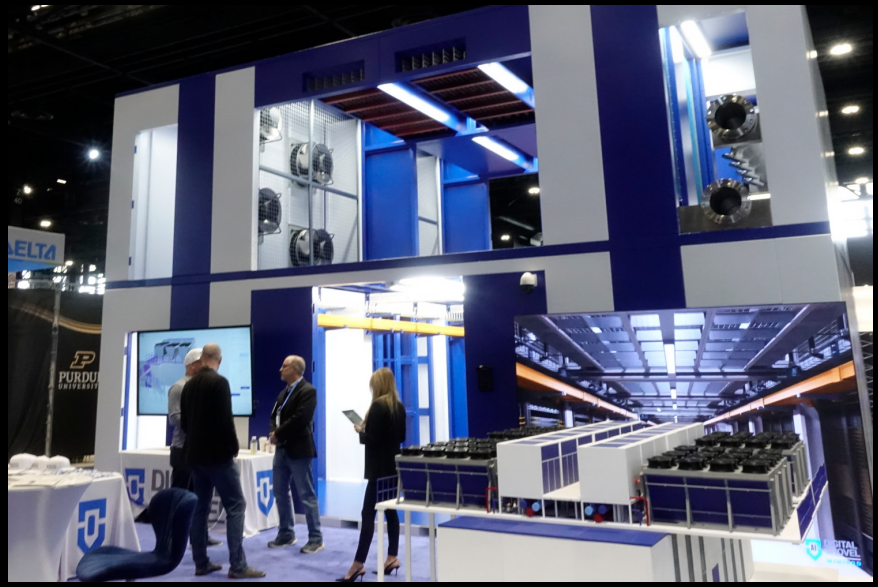

Quantum Models @ SC26

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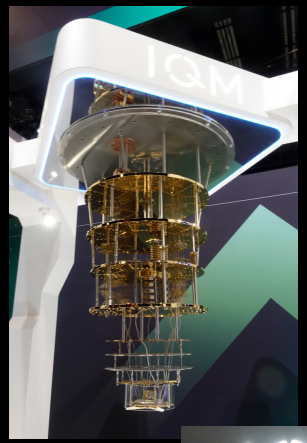









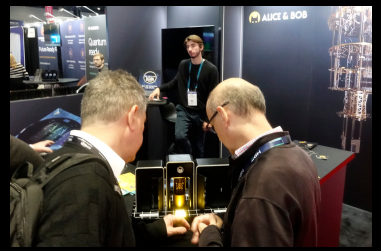

More Quantum Models @ SC26

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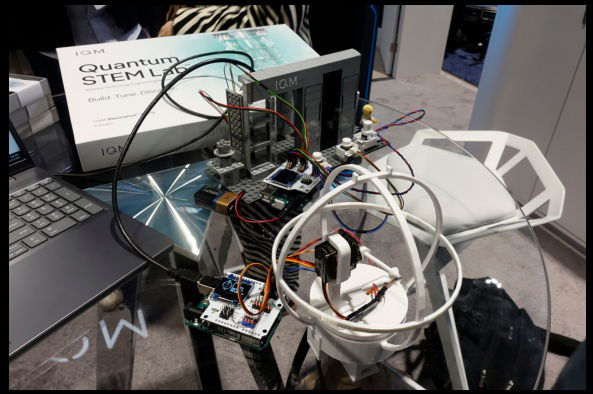

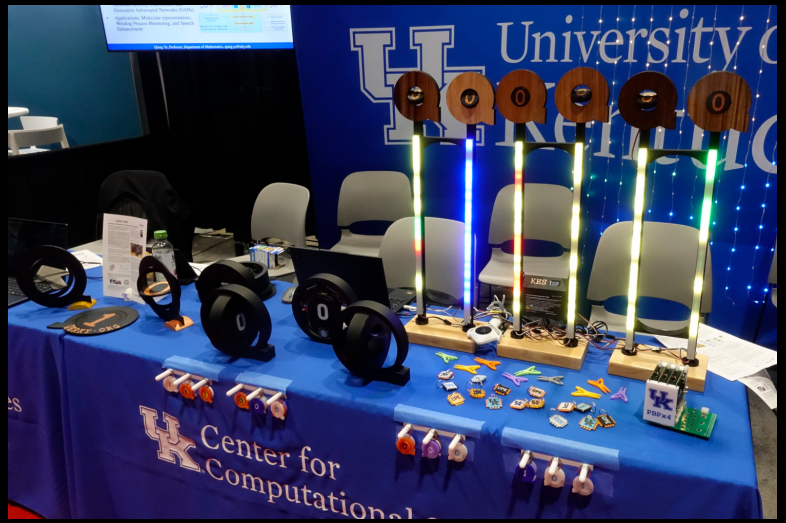



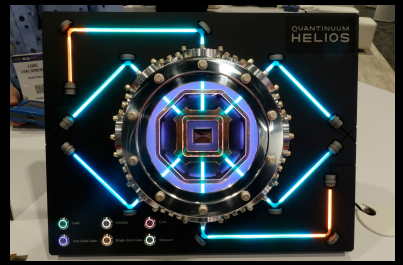

Actual Quantum @ SC26

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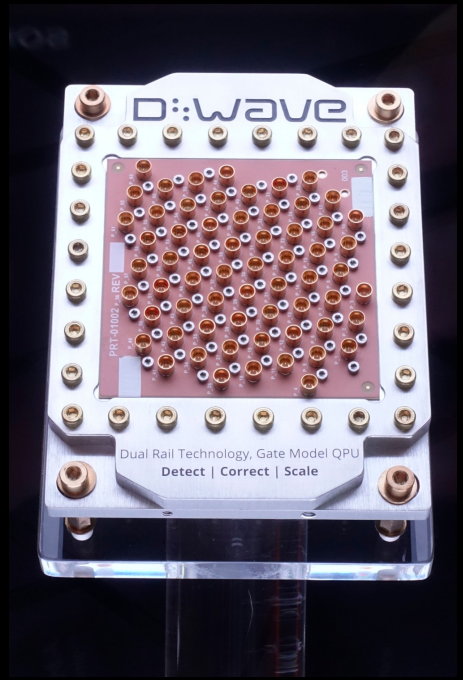

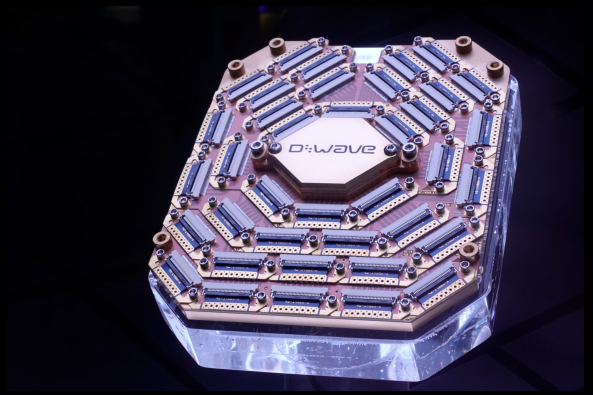



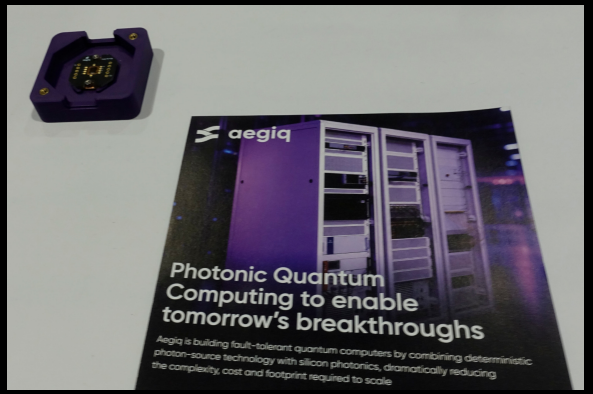

Interesting? @ SC26

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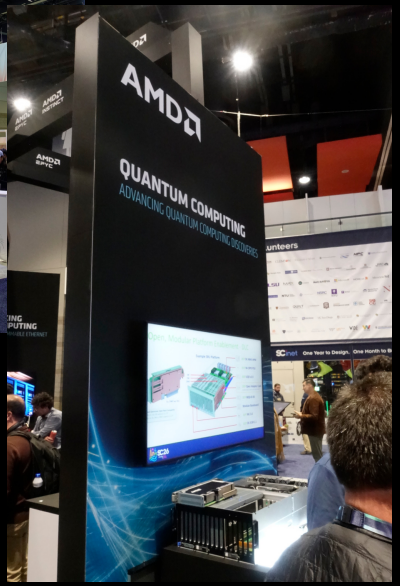







Top500 @ SC26

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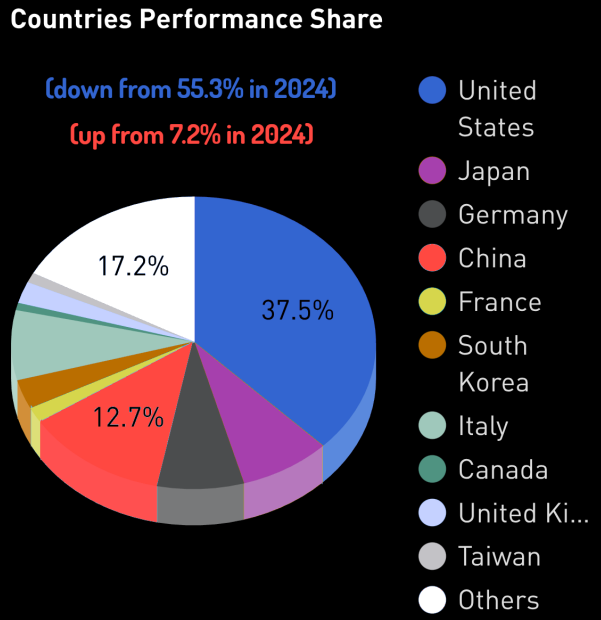

- **LineShine is *still* #1 from Summer 2026**; last #1 in China was in 2017
- All Chinese tech using 13,789,440 cores in 304-core LX2 processors (no GPUs)
- HPL performance is 2.198 Exaflop/s, using ~42MW power
- USA / HPE Cray systems w/GPUs are #2 AMD, #3 AMD, and #4 Intel: no NVIDIA

Prof. Dietz's take on SC26

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SC24:
- **Supercomputing** focused, but seeking tens of MWs of power for data centers

SC25:
- **Supercomputing** focused, but largely a plumbing show for liquid cooling

SC26:
- **Gigascale AI datacenter** focused, *not primarily about supercomputing anymore?*
- Facility-level integration rather than power and plumbing
- Lots of exhibitor turnover, record little change in Top500 computers
- AMD and Quantum in many exhibits; some experiments with fine grain dataflow

