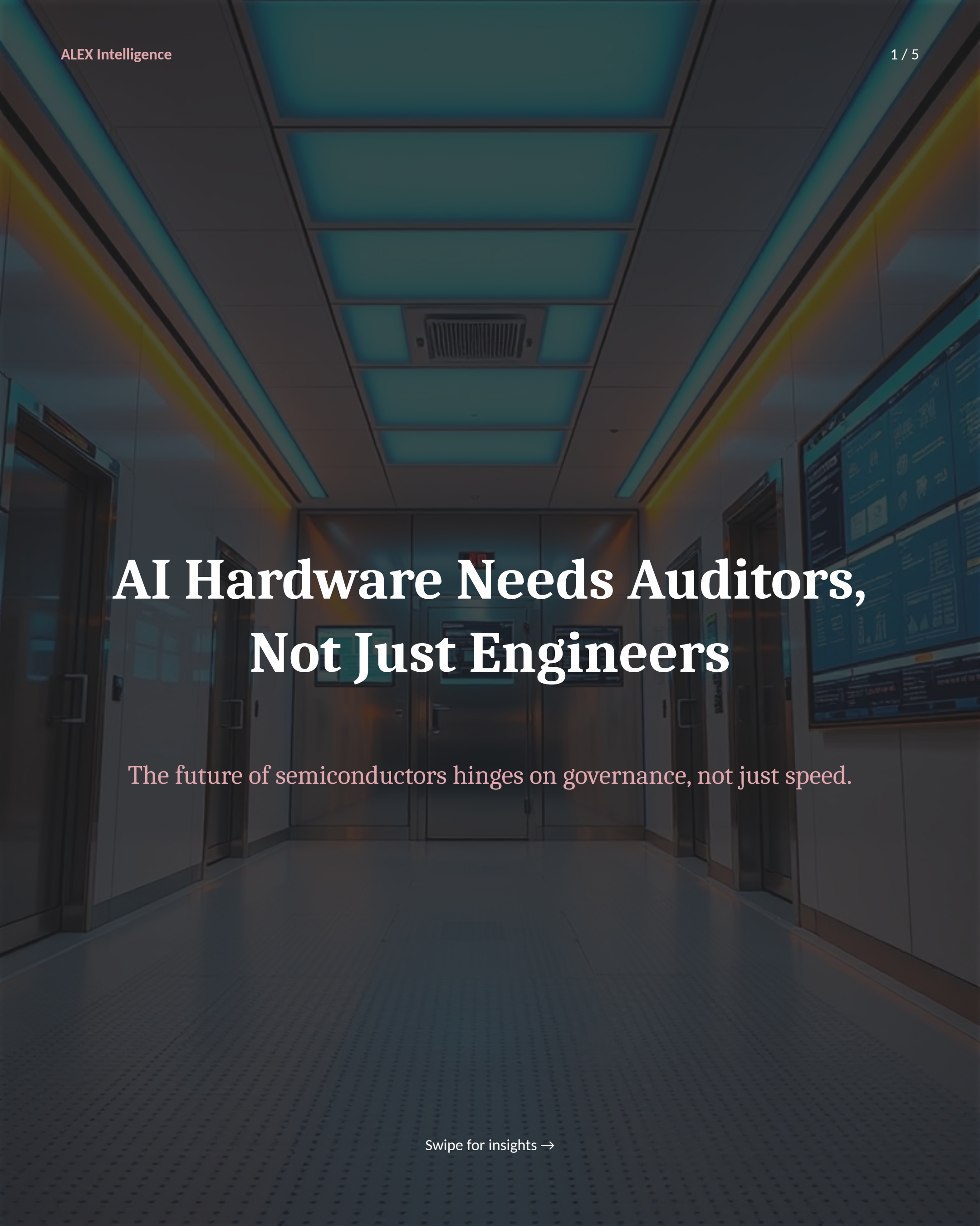


AI Hardware Needs Auditors, Not Just Engineers

The future of semiconductors hinges on governance, not just speed.

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THE DATA

20 years

Experience in Governance & Risk

Hilaire Nachtrab brings over two decades of leadership in audit, risk, and organizational effectiveness across research institutions and the private sector.

This is not a typical tech hire. Nachtrab's 20 years in governance and risk management—spanning higher education and Fortune 500 firms—signal a shift: the physical layer of AI infrastructure now demands institutional maturity. As chip design grows more complex and supply chains more fragile, the ability to audit, verify, and secure AI hardware at scale is becoming a core capability, not an afterthought.

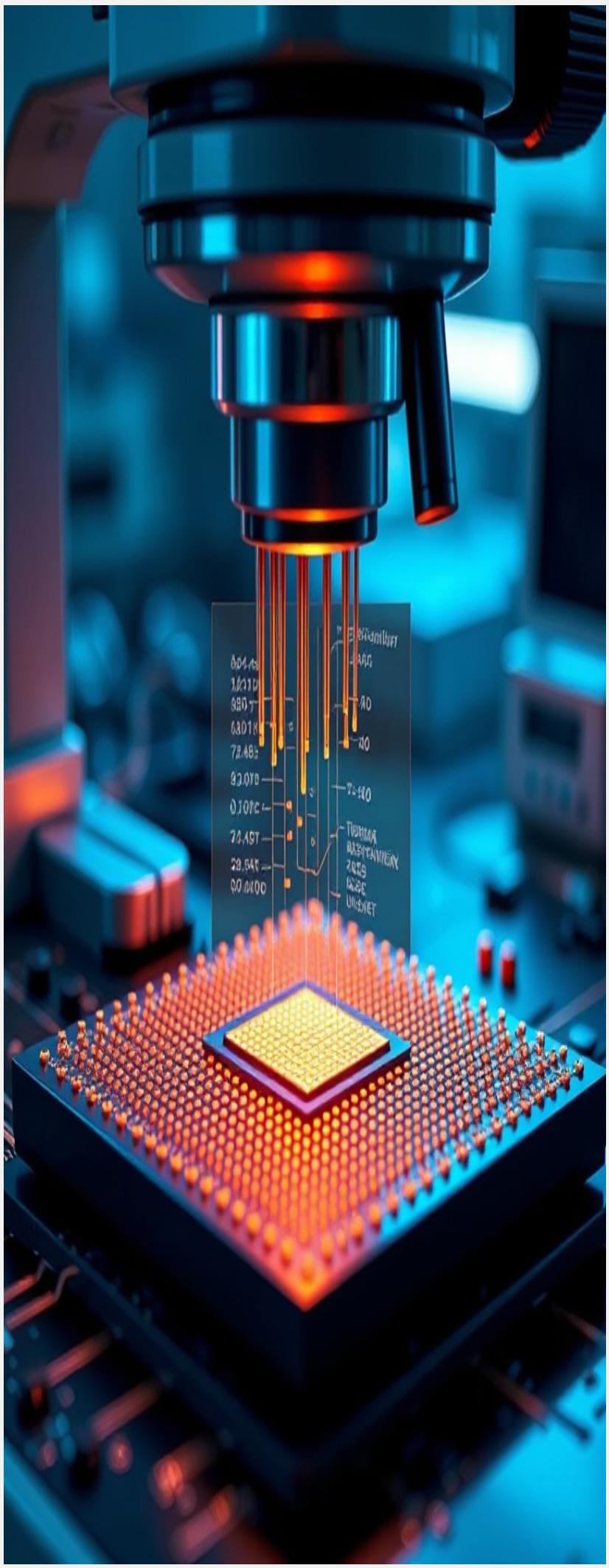


Source: Georgia Institute of Technology · Published November 12, 2026
https://news.gatech.edu/news/2026/11/12/georgia-tech-names-hilaire-nachtrab-chief-audit-executive

01

Audit as a Foundry Enabler

Modern semiconductor fabrication isn’t just about lithography or materials—it’s about trust. When AI chips are built at 2nm and below, with multi-layered packaging and distributed design flows, the risk of undetected flaws or supply chain manipulation increases exponentially. Nachtrab’s role at Georgia Tech is not just oversight; it’s infrastructure hardening. Her leadership in modernizing audit operations and expanding data analytics use in audit planning directly enables the kind of real-time, system-wide visibility that’s essential for secure, reliable chip development.



02

AI Chips Need Institutional Resilience

The most advanced AI chip is useless if its integrity is compromised. Yet, most innovation pipelines treat security and audit as reactive. Nachtrab's background in risk-based audit planning—especially her work advancing proactive, data-driven audits at the University of Michigan—suggests a new model: embedding audit as a continuous, predictive function in the chip lifecycle. This isn't about slowing down innovation; it's about building systems where trust is engineered in, not bolted on. For AI hardware, that means fewer recalls, fewer supply chain exploits, and faster deployment of mission-critical systems.

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