

ILLINOIS: THE GLOBAL QUANTUM HUB



HOME TO

- *World-class* universities including **6 R1 universities** and quantum information science and technology *leaders*, University of Illinois Urbana-Champaign, University of Chicago, and Northwestern University
- 2 Department of Energy (DOE) labs, **Argonne National Laboratory** and **Fermilab**, driving the future of quantum technology
- **4 out of 10 quantum research centers**, the most of any U.S. state
- Illinois is home to **2 of 5 U.S. DOE National Quantum Information Science research centers** and 2 of 5 NSF Quantum Leap Challenge Institutes
- **Duality**, *the 1st* quantum-focused startup accelerator in the U.S.
- **State-of-the-art infrastructure**, one the of the nation's longest active quantum communication networks, a 124-mile long loop connecting UChicago, Fermi, and Argonne
- **The Illinois Quantum and Microelectronics Park (IQMP)**, a first-of-its-kind campus for quantum tech scale-up and R&D

MILESTONES

- 2024:** The State's new 5-year economic plan defines 'quantum, AI, and microelectronics' as 1 of 6 high-priority industries, establishing targeted tax incentives and funding programs
The State announces \$500M in funding for the IQMP
- 2023:** The U.S. Economic Development Administration designates the Chicago metro area as a Regional Technology and Innovation Hub
- 2021:** Duality is launched by University of Chicago Polsky Center for Entrepreneurship & Innovation and Chicago Quantum Exchange, in partnership with Argonne, University of Illinois Urbana-Champaign, and P33
- 2020:** Argonne and the University of Chicago launch a 52-mile 'quantum loop,' which has since expanded to a 200+ mile regional network, one of the longest ground-based quantum communication channels in the U.S.
- 2019:** The State commits \$200M to establish Illinois as leading quantum hub
- 2017:** Chicago Quantum Exchange launches

WORKFORCE & TALENT PIPELINE

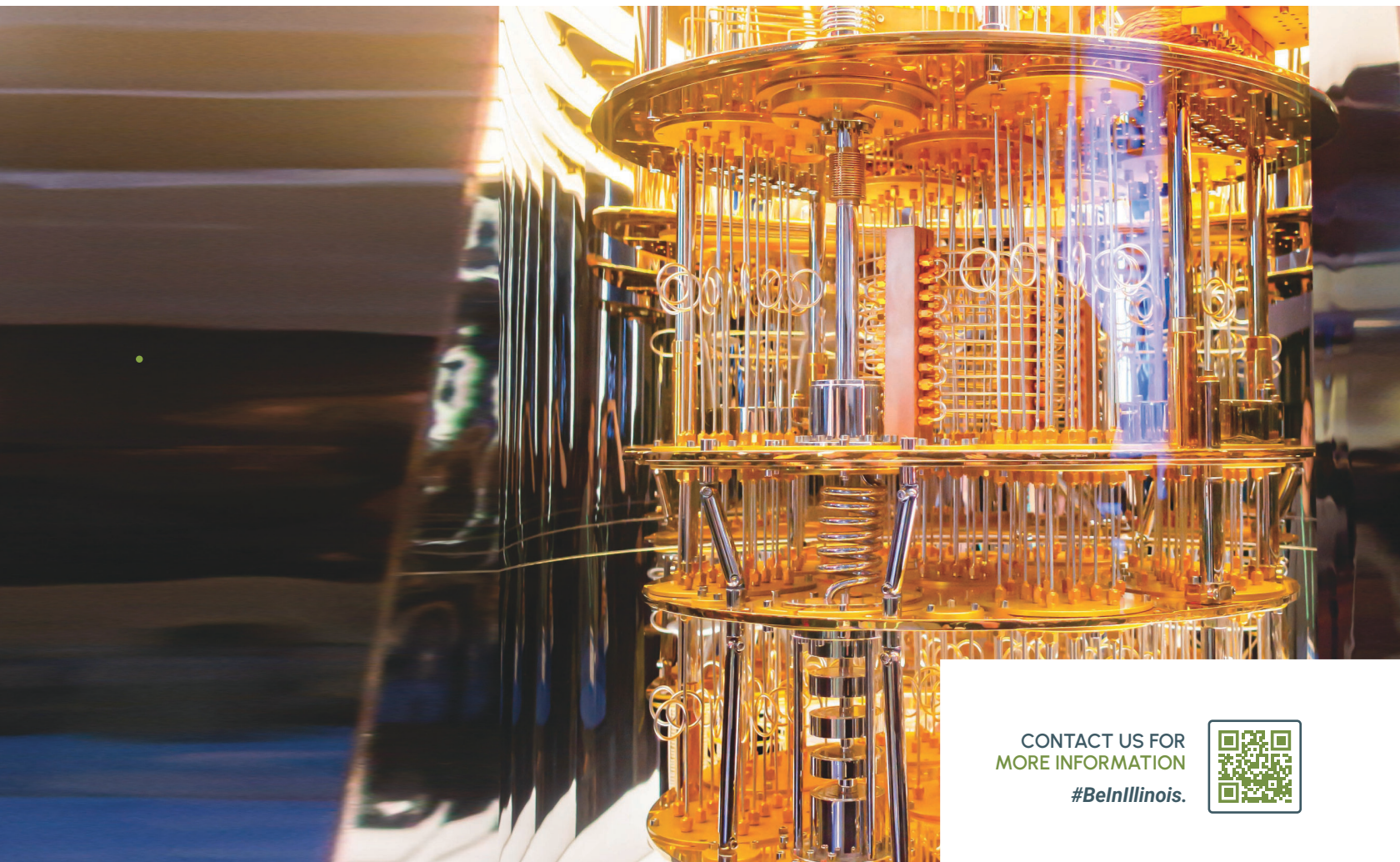
- The **1st quantum PhD** in the U.S. at the University of Chicago
- University of Illinois (a top-5 engineering school) graduates more engineers each year than Caltech, MIT, and Stanford combined
- More than **240 higher education institutions**, and **3rd largest** community college system in the U.S.
- **Top-10 state** for both IT jobs and STEM graduates
- **2 top-5 MBA programs:** Kellogg School of Business at Northwestern University and University of Chicago Booth School of Business
- Nearly **40K degrees and certificates** awarded **annually** in quantum-related fields
- Over **12K workers in the greater Chicago area** ready for quantum industry roles

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ROBUST ECOSYSTEM, UNPARALLELED OPPORTUNITY

- Chicago is the **#1 metro in the U.S.** for new and expanding companies
- Diverse industry base with **over 30 Fortune 500 companies** creating conditions ripe for quantum technology exploration and adoption
- **Tax incentives and other funding facilitate innovation**, including INVENT (equity investment program), EDGE for Startups, Quantum Enterprise Zone (QEZ) benefits, Angel Investment Tax Credit Program, MICRO, Tech Incubator Enhancement Grants Program (TIEG), and many others
- **Innovation hub with impactful innovation drivers** such as Duality, mHUB, Argonne's Chain Reaction Innovations (CRI), and many others

QUANTUM INDUSTRY POWERHOUSES IN ILLINOIS



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