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Quantinuum Welcomes Harry Buhrman as New Chief Scientist for Algorithms and Innovation

December 14, 2023

CAMBRIDGE, England, and BROOMFIELD, Colo., Dec. 14, 2023 — [Quantinuum](#) today announced that Harry Buhrman, Ph.D., a renowned and distinguished complexity theorist and quantum computing scientist, has joined its team as Chief Scientist for Algorithms and Innovation.

“Harry is one of a handful of recognised global leaders in quantum computing and we are privileged and pleased that he has joined our team in a leadership position,” said Ilyas Khan, founder and chief product officer. “I am doubly thrilled that our clients and partners will have access to one of the finest minds in the field as we navigate the era of quantum utility.”



Buhrman will lead Quantinuum’s algorithms group, augmenting the work being done by its scientific teams in software and applied use cases in artificial intelligence (AI), optimization, quantum Monte Carlo Integration (QMCI), and chemistry. Additionally, Buhrman will be responsible for integrating Quantinuum’s quantum process technology with its software and application product offerings, driving innovation through co-design and co-creation, achieving close collaboration between scientific and engineering teams, software developers and customer application design teams globally.

“Quantum computing has evolved from an esoteric academic discipline to a field with real-world applications and the potential to impact society significantly. I am extremely excited to join Quantinuum, to help further its leadership position, and to put our revolutionary technology to work in the hands of customers and research groups around the world,” Buhrman said.

Buhrman has been an active researcher advancing humanity’s understanding of complexity theory and quantum computing since the 1990s, when he formed and headed the quantum computing group at CWI, the national research institute for mathematics and computer science in the Netherlands. In 2015, he founded QuSoft, the national research center for quantum software and technology, a collaboration between CWI and the University of Amsterdam, forming industrial collaborations in quantum computing with partners including ABN AMRO, Bosch, KLM and Toyota. He has been an integral part of the development of the EU’s quantum computing roadmap.

About Quantinuum

[Quantinuum](#) is the world’s largest integrated quantum computing companies, formed by the combination of Honeywell Quantum Solutions’ world-leading hardware and Cambridge Quantum’s class-leading middleware and applications. Quantinuum accelerates quantum computing and the development of applications across chemistry, cybersecurity, finance, and optimization. The company employs over 480 individuals, including 350 scientists, at nine sites across the United States, Europe, and Japan.

Source: [Quantinuum](#)



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