

Multibeam Appoints Regina Freed as CTO to Accelerate Innovation and Advance Technology Leadership

SUNNYVALE, Calif., March 19, 2026 – [Multibeam Corp.](#) today announced the appointment of Regina Freed as Chief Technology Officer. A seasoned technology strategist with more than 20 years of experience driving large-scale technology programs and enterprise-wide digital transformation initiatives, Regina will lead Multibeam’s technical strategy, process, and innovation roadmap.

In her new role, Regina will work closely with product, process, and applications teams to define and drive Multibeam’s technical vision, evolving the MB platform to meet the rapidly evolving demands of advanced semiconductor manufacturing and chip integration. She joins Multibeam at a pivotal moment. As demand accelerates for its unique high-productivity Electron Beam Lithography (EBL) solutions across [advanced packaging](#), quantum, and photonics applications, customers are pushing the boundaries of conventional patterning. These next-generation applications require faster design cycles, higher precision, greater patterning flexibility, and scalable infrastructure capable of supporting integration schemes that accelerate chip innovation.

“Regina is an exceptional addition to our leadership team at exactly the right time,” said Multibeam President Ken MacWilliams. “She brings a rare combination of deep technical expertise, AI-driven systems thinking, and proven experience leading enterprise-scale digital transformation. As we scale to meet growing global demand, her leadership will be instrumental in strengthening our technical roadmap, advancing our product innovation, and ensuring we continue to deliver disruptive capabilities to our customers.”

~ Dr. Ken MacWilliams, President, Multibeam

Prior to joining Multibeam, Regina held senior technology leadership roles where she successfully led complex AI and digital initiatives, modernized technical architectures, and built high-performing engineering organizations aligned to strategic growth.

“I believe deeply in the mission and potential of Multibeam,” said Regina. “The semiconductor industry is at an inflection point. Quantum, photonics, and advanced packaging applications are demanding new levels of precision, flexibility, and speed—capabilities that traditional

approaches struggle to provide. Multibeam's high-productivity EBL technology is uniquely positioned to unlock these next waves of innovation. I am excited to join this talented team and help drive the technical vision that will keep advancing chip innovation and enabling our customers to push beyond today's limits."

~ Regina Freed, CTO, Multibeam

With this new member of the executive team, Multibeam reinforces its commitment to technological leadership and to serving as a foundational platform for rapid innovation in next-generation semiconductor applications.

About Regina Freed:

Prior to joining Multibeam, Regina held the position of Vice President of AIx Solutions at Applied Materials, where she led enterprise AI transformation across global semiconductor manufacturing operations. She oversaw a \$50M+ technology portfolio and built a 150+ person organization focused on deploying AI systems that improve engineering productivity and accelerate innovation.

With more than two decades of experience in the semiconductor industry, Regina has held leadership roles spanning technology strategy, product management, and advanced patterning development. Prior to Applied Materials, she held senior positions at DCG Systems and KLA-Tencor, where she led strategic product initiatives and helped bring next-generation lithography and metrology technologies to market.