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Elias Towe is currently the Albert and Ethel Grobstein Professor at Carnegie Mellon University. He teaches in the departments of Electrical and Computer Engineering, and Materials Science and Engineering. His research interests are in photonics and the related application areas of quantum computing, quantum communications, neuromorphic computing, and sensing. Prof. Towe was educated at the Massachusetts Institute of Technology, where he received all his academic degrees (S.B., S.M., and Ph.D.) in Electrical Engineering and Computer Science. He was also a Viton Hayes Fellow while at MIT. His professional awards and honors include the NSF Young Investigator award, the Outstanding Technical Achievement Award from the Office of the US Secretary of Defense, and the Commonwealth of Virginia Scholar Award. Dr. Towe is a Fellow of the Optical Society of America, the IEEE, the American Physical Society, and the American Association for the Advancement of Science.