

The 20th U.S.–Korea Forum on Nanotechnology

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Prof. Matthew Flavin is an assistant professor in the School of Electrical and Computer Engineering at the Georgia Institute of Technology where he has led the Flavin Neuromachines Lab since Fall 2024. Before joining the faculty at Georgia Tech, he was a postdoctoral researcher at Northwestern University. He received his M.S. and Ph.D. degrees in Electrical Engineering in 2017 and 2021 from the Massachusetts Institute of Technology (MIT), and he received his B.S. in Electrical Engineering in 2015 from the University of Illinois at Urbana-Champaign (UIUC). Dr. Flavin is the Sutterfield Family Junior Professor in ECE. Dr. Flavin develops powerful peripheral neural interfaces and mechatronic wearables that leverage advanced embedded sensors and intelligent systems to address important and unresolved challenges in patient care. His work sponsored by ARPA-H and NSF aims to answer fundamental questions about the nature of cutaneous sensation, and it aims to introduce new clinical approaches for monitoring and treating sensory impairments.