

Bio: Volker J. Sorger is an associate professor in the Department of Electrical and Computer Engineering, and the director of the Orthogonal Physics Enabled Nanophotonics (OPEN) lab at the George Washington University. He received his PhD from the University of California Berkeley. His research areas include opto-electronic devices, plasmonics and nanophotonics, including novel materials, and optical analogue information processing and neuromorphic computing. Amongst his breakthroughs are the first demonstration of a semiconductor plasmon laser, diffraction-limited waveguides, and sub 1-Volt plasmonic electro-optic modulator, optical FFT on-chip. Dr. Sorger received multiple awards among are the Early Career Award and Dean's Outstanding Young Research Award at GW, the AFOSR Young Investigator Award, Hegarty Innovation Prize, and paper award of the National Academy of Sciences. Dr. Sorger holds a seat at the board-of-meetings at OSA and SPIE, is the editor-in-chief for the journal Nanophotonics, and a senior member of IEEE, OSA, SPIE.