

Dr. Kelson Chabak is currently assigned as the AFRL Sensors Directorate's Microelectronics Technology Area Lead. In this assignment, Dr. Chabak leads all aspects of the directorate's internal microelectronics research portfolio that addresses device research, heterogenous integration, microelectronics security, and delivering hardware prototypes to RF sensor sub-systems. Prior to his current role, he served as the Department of Air Force representative to the Defense Microelectronics Cross-Functional Team (DMCFT) for OUSD(R&E) from 2022-2023. Dr. Chabak obtained his PhD from University of Illinois Urbana-Champaign and is a subject matter expert in wide bandgap semiconductor devices and materials. Dr. Chabak's research is cited by more than 6,000 manuscripts and featured on the cover of two high-impact journals.