



Dr. Jeffrey D. Clark

Director of Artificial Intelligence Research, Riverside Research

Lead, Machine Learning Lab

Dr. Jeffrey D. Clark is the Director of Artificial Intelligence Research at Riverside Research and the Lead of the Machine Learning Lab, providing management oversight of all ongoing research projects within the laboratory, including the development of third-generation spiking neural networks (SNNs) and second-generation advanced machine learning, deep learning, and artificial neural network applications. He is a senior defense research professional with over two decades of experience in multiple engineering and aviation applications. As an overhead persistent infrared (OPIR) and machine learning subject matter expert

supporting the USAF, he has incorporated innovative, novel machine learning techniques for detection of targets with varied illumination and provides data processing expertise on advanced OPIR collected data. Dr. Clark has developed several novel deep-learning techniques for de-interleaving and classifying of EW signals as well as conceived novel self-learning SNNs for cognitive neuromorphic architectures and is the principal investigator on several third generation novel neural network algorithm patents.