**Dr. Ilya Lipkin** is a technical expert for AFLCMC sensors and engineering directorate. He started his career with USAF at Hill AFB working embedded drive by wire as software architect, and satellite support systems. His next assignment was in Global Hawk, and MQ-1/MQ-9 Training Systems at Wright Patterson AFB where he worked all aspects of sensors and ground station management and simulation. He is currently working in support of several sensor programs of record at ISR/SOF and Fighter Bomber directorates for deployment of open systems and operational requirements.