Technical Advisor, Modeling and Simulation Branch

The Air Force Research Laboratory (AFRL), Directed Energy Directorate, Mission Planning and Support Division (RDM), located in Albuquerque, NM on Kirtland AFB, is seeking candidates for the position of Technical Advisor (TA) for the Modeling and Simulation Branch (RDMW). The Technical Advisor is a Mission Level M&S expert, responsible for providing support to the Branch Chief by guiding PMs & PIs to develop program technical approaches & Execution Plans, Technical Performance Measures, technical roadmaps, and test/analysis plans. Advises the Branch leadership on technical approaches & tradeoffs. To include; maintaining knowledge of relevant state-of-the-art technology, supporting integration/de-confliction of technical approaches inside & outside AFRL to prevent duplication or disconnects (considering the AF spectrum management strategy, et al) of efforts while leveraging externally developed game-changing technologies (i.e. weapons resource manager utilizing machine learning), maintaining knowledge of key customer requirements & technology gaps & ensuring traceability toward meeting such requirements/gaps. Fosters a cutting-edge culture in support of wargaming, model development, model management (to include V&V that documents limitations & assumptions of current baseline models with a detailed test plan with adequate data collection to define performance & to quantify uncertainty in a systematic way that provides uncertainty bounds in experimental & simulation results & model limitations) & simulations. Advances DE technology transition & supports the DoD Analysis & Wargaming Communities. Drives productivity improvements through the use of best practices & lessons learned. Coordinates with PMs, PIs & SMEs, to define technical parameters supporting M&S, trade/concept studies, & technology readiness level assessments to help determine technology performance objectives based on user needs (providing Virtual Military Utility using validated target/vulnerability models to develop target characterization for target supporting attack of pre-planned, high-value red assets & investigate target counter-measures & corresponding vulnerabilities). Supports RD Technology Advisory Council & Scientific Advisory Board Reviews.

This is a civilian position under the Laboratory Demonstration ("Lab Demo") pay plan, at the grade of DR-03 (roughly, GS-14 equivalent). The salary range for a DR-03 is $102,085 to $144,265 which includes 16.2% Albuquerque locality pay. This position requires US citizenship with the ability to obtain/retain a Top Secret Security Clearance. The RDM Division seeks Master’s or PhD graduates with at least 12 years of experience. For more information please contact Ms. Teresa LeGalley at Teresa.Legalley@us.af.mil  (505) 846-5119.

For more information about the Air Force Research Laboratory visit: https://afresearchlab.com/