1176-90-315 **Rebecca Coulson*** (`rebecca.coulson@westpoint.edu`), 609 Swift Road, Department of Mathematical Sciences, West Point, NY 10996. *An NLP-powered approach to a semantic analysis of actions.*

In this talk we will discuss ongoing work to provide semantic descriptors to AI battlefield simulations. This work builds off of the established word2vec algorithm, which expresses semantic relationships between words. The word2vec algorithm is widely adaptable and thus this work provides a rich framework for a variety of applications to explainable AI for the battlefield. (Received January 25, 2022)