

International Symposium on Artificial Intelligence - Machine Learning in Safety Critical Systems

21 - 22 October 2021

PROFILE



Dr. Stacy MacAllister

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Dr. MacAllister is a AI/ML Solutions Architect for General Atomics Aeronautical Systems. Her work focuses on prototyping novel machine learning algorithms, developing machine learning algorithms using sparse, heterogenous or imbalanced data sets, and exploratory data analytics.

Throughout her career she has provided key contributions in a number of interdisciplinary areas such as prognostic health management, human performance augmentation, advanced sensing, and artificial intelligence aids for future warfare strategies. This work has received several awards and commendations from internal technical review bodies.

Dr. MacAllister has published over two dozen peer reviewed technical papers, conference proceedings, and journal articles across an array of emerging technology concepts. She also serves on the organizing committee of the Interservice/Industry Training, Simulation & Education Conference (I/ITSEC) and contributes to the SAE G-34 committee on developing verification and validation standards for artificially intelligent aerospace systems.

Dr. MacAllister holds a bachelor's degree from Iowa State University (ISU) in Mechanical Engineering. She also holds a Master's and PhD from ISU in Mechanical Engineering and Human-Computer Interaction.