US Army Captain (Ret) Hans C. Mumm…now Dr. Hans Mumm was a mustang, serving eight years in the enlisted ranks and over eight years as an officer before becoming a wounded warrior and being medically discharged in 2010. Leadership is his passion and has been the key to his success.

He served as the officer in charge of the "Iraqi Regime Playing Cards, CENTCOM'S Top 55 Most Wanted List" which was touted by the Defense Intelligence Agency (DIA) as one the most successful Information Operations (IO) in the history of DIA. Dr. Mumm has won numerous awards and accolades for his dedication in supporting homeland security and America's strategic global position.

Dr. Mumm is a proven leader in a diverse set of fields including technical investigation, scientific research, military intelligence and small business owner. He is a published researcher in both the scientific and social science arenas. His published works include *Embracing the Need for Leadership in the New World of Unmanned Vehicles and Robotics, Managing the Integration and Harmonization of National Airspace for Unmanned and Manned Systems and co-authoring, The Multi-Fuel Optimization System: A Technical Discussion,* and drafted *Legislation to Establish a National Inter-Agency Working Group To Develop Policies and Protocols On the Use of UAVs and Robotic*s, along with several other works. He has notable experience in research and systems engineering which includes emerging and disruptive technology for offensive and defensive missions supporting US and coalition operations.

Dr. Mumm is highly skilled in designing policy and governance for advanced technologies including unmanned vehicles and robotics earning his Doctorate of Management (with a concentration in homeland security) from Colorado Technical University (CTU). Dr. Mumm's unique skill set is a hybrid resulting from on the ground tactical combat experience and many years spent in strategic homeland security roles consulting on policy creation and fielding new technologies within the intelligence community. His UAV and robotics policies have focused on determining the specific uses, exceptions, and allowances; including studying the unintended consequences and future use and misuse of such technologies.

Dr. Mumm has earned twenty-three personal military ribbons/medals, six military unit medals/citations, and two Directors Awards from the Defense Intelligence Agency. In 2005, Dr. Mumm was recognized as one of the "Ten Outstanding Young Americans and in 2003 he was awarded the National Defense PAC "American Patriot Ingenuity Award" for service during "Operation Iraqi Freedom". Dr. Mumm is an instructor with American Military University and California University of Pennsylvania and was recently offered a fellowship with the Cyber Conflict Documentation Project researching autonomous systems in the physical and virtual worlds.