

## **Applying Complexity Leadership Theory to Drone Airspace Integration by Dr. Hans C. Mumm**

Dr. Hans C. Mumm is proud to announce the release of the book *Applying Complexity Leadership Theory to Drone Airspace Integration*, to be released by Motivational Press. Dr. Hans C. Mumm finds inspiration from years of leadership experience in applying complexity leadership theory to real world problems.

In the words of Michael L. Hummel, Ph.D. Professor and Chair, Department of Criminal Justice, California University of Pennsylvania, "In this era of covertly evolving threats to our national and homeland security, and the complicated leadership that is required to manage the safety and security of our society, Dr. Mumm's intellectual and tactical prowess has given us that needed edge in this book. His work on applying the complexity leadership theory to managing drone airspace, in support of our local and global security affairs, is a paradigm for managing what can be considered an unmanageable political arena."



In an engaging interview, Dr. Hans C. Mumm can discuss:

- Leadership
- Success
- Technology Challenges in Today's Times
- How Drones are Effecting Today's Business Climate

Jay R. Snyder, Unmanned Systems Visionary and former Director of Air Force Revolutionary Planning said, "Dr. Mumm has attacked two extremely difficult problems at the same time: The government bureaucratic regulating methodology and the integration of drones into the U.S. airspace. He has woven together a brilliant methodology to solve both issues by using complexity leadership theory. The potential economic impact of drones is enormous and new ideas on how to use them commercially emerge every day. The FAA needs to make a fundamental process shift or be left perpetually at the starting gate. Congress and industry take note; the same leadership method described here could be used to help solve the most difficult problems facing your organization."

Dr. Mumm's book examines the leadership challenge created by the requirement to integrate unmanned aerial vehicles (UAVs) into the national airspace system (NAS). The overall lifecycle of leadership does not lend itself to a simple definition or a defined timeline that anyone can follow. As much as society enjoys creating, all of the processes and technology to simplify our lives (although this is debatable), leadership deals with humans and humans are not that simple. The challenge is that the FAA follows a leadership and change management model that is authoritarian, linear, and evolutionary.

## About The Author:

Dr. Hans C. 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 Robotics, 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”. For additional information, please email: [media@hansmumm.com](mailto:media@hansmumm.com).