



MELISSA M. MALLIS, PH.D.
Director of Scientific Affairs, Alertness Solutions

Dr. Melissa M. Mallis is the director of scientific affairs of Alertness Solutions. She is directly involved in the development of innovative, practical and effective strategies to enhance safety, performance and alertness for many different environments. Prior to her position at Alertness Solutions, Dr. Mallis led the Fatigue Countermeasures Group at NASA Ames Research Center for almost 6 years. Through her NASA work experience, she made significant contributions to safety, research and education in aviation, space and other diverse operational settings.

Throughout her career, Dr. Mallis has helped federal agencies set standards for evaluating technology designed to enhance human awareness of neurobehavioral decrements. By performing the first controlled double-blind scientific studies of the validity and reliability of various drowsiness-detection technologies and alerting countermeasures, her research has affected some of the top astronauts and pilots in the world.

As a contributor to the US Air Force multi-center project on countermeasures for jet lag and sleep deprivation, Dr. Mallis reviewed various fatigue-detection technologies and alerting countermeasures. She continues to provide input on accident and incident investigations as well as national policy development. Her experience includes working extensively with the Flight Safety Foundation, Boeing and Airbus, serving as an expert in the development of guidelines specific to ultra-long range (ULR) flights.

In 2006, she participated in the research and execution of the most intensive study of vacationers to date, termed the "Vacation Gap Study." A collaboration with Air New Zealand and Alertness Solutions, this study is the first to scientifically measure both psychological and physiological attributes of travelers before, during and after their vacations.

Dr. Mallis obtained her B.S. degree with Honors from Villanova University and her Ph.D. from Drexel University. She is a member of numerous scientific societies including the Aerospace Medical Association, the Aerospace Human Factors Association, the Human Factors and Ergonomics Society and the Sleep Research Society. In addition, she also serves on various scientific advisory boards.

As recipient of numerous honors and awards recognizing her efforts to enhance safety in 24/7 operational environment, Dr. Mallis' publications and presentations continue to contribute to real-world environments through her research on the effectiveness of preventive interventions and countermeasures that enhance human capability and increase safety.