

DAVID LARY, PHD

BRAINHEALTH INVESTIGATOR
PROFESSOR OF PHYSICS, HANSON CENTER FOR SPACE SCIENCES
FOUNDING DIRECTOR, MINTS



David Lary is a BrainHealth® Investigator and Professor of Physics at the William B. Hanson Center for Space Sciences at The University of Texas at Dallas. Dr. Lary's research focuses on ways to achieve preemptive human protection by utilizing holistic sensing in service of society.

Dr. Lary founded the Center for Multi-Scale Integrated Intelligent Interactive Sensing (MINTS) at UT Dallas with the vision of creating an intelligent synergy of integrated, targeted observations, from multiple platforms and on multiple scales, combined with state-of-the-art systems for distributing and analyzing complete datasets.

Before joining UT Dallas, Dr. Lary's work in data assimilation landed him at NASA, as the first Distinguished Goddard Fellow in earth science, where he received several awards for innovative research and technology. By combining instruments on satellites and robotic vehicles (in air, land and sea) to collect real-time measurements, Dr. Lary uses comprehensive collections of sensory data to investigate a wide range of socially-relevant problems, including public health issues, drought and fire, agriculture and how to respond to oil spills.

With more than 100+ peer-reviewed articles, Dr. Lary seeks to provide actionable insights to serve society through intelligent sensing and simulation. Focusing on human health, Dr. Lary's research facilitates discovery through machine learning, data-driven insights, observation and automation. He explores sensing on multiple scales – from wearable sensors of cognitive performance to autonomous robotic teams to remote sensing from satellites.