

## **Lori Magruder**

The University of Texas at Austin  
Department of Aerospace Engineering and Engineering Mechanics

Lori Magruder is an Associate Professor in the Aerospace Engineering and Engineering Mechanics Department at the University of Texas at Austin and holds the Myron L. Begeman Fellowship in Engineering. Dr. Magruder is a subject matter expert in remote sensing, remote sensing instrumentation, implementation, validation and 3D geospatial data exploitation. She also serves as the Director of the UT Center for Space Research, an organized research unit in the UT Cockrell School of Engineering. Dr. Magruder received her bachelor's degree from The University of Southern California in Aerospace Engineering and her master's degree from Princeton University in Mechanical and Aerospace Engineering. Her Ph.D. was earned from The University of Texas at Austin with a focus on ground-based validation studies for NASA's ICESat mission. She has held positions at Jet Propulsion Laboratory and The Johns Hopkins Applied Physics Laboratory prior to returning to UT Austin. She served as NASA's ICESat-2 Science Team Lead for 9 years during mission development, implementation and on-orbit operations. Dr. Magruder has since moved into positions on other NASA mission teams, namely the National Academies Decadal Survey Incubation program on Surface, Topography and Vegetation. Dr. Magruder leads many other NASA research efforts in addition to supporting intelligence programs for the Department of Defense with her expertise in geospatial topics and the unique link she brings between engineering and multi-disciplinary science applications.