About Dan Oltrogge

Dan Oltrogge is a globally recognized expert in space debris, launch and orbital operations, collision avoidance, RF interference mitigation, space situational awareness, and space traffic coordination and management. Mr. Oltrogge is a frequent author of technical papers and in-depth analysis reports. He also holds three patents for astrodynamics and risk assessment methods associated with collision risk, probability of collision and safety of flight. He has developed numerous international standards and best practices for space operations and debris mitigation under the auspices of ISO, CCSDS, CONFERS, AIAA, ANSI, and IAA. Mr. Oltrogge is frequently quoted in leading news outlets and trade publications and is a sought-after speaker at conferences and forums around the world.

Mr. Oltrogge is the director of AGI's Center for Space Standards and Innovation (CSSI) and is the lead policy and analysis expert for its Commercial Space Operations Center (ComSpOC). Mr. Oltrogge also serves as the program manager of the Space Data Center, now in its tenth year of global flight safety operations for 29 operators flying approximately 275 GEO and 470 LEO spacecraft.

Mr. Oltrogge led the development of the nation's first probability-based launch Collision avoidance (LCOLA) system in 1996, and 23 years later, that system still provides mission assurance launch flight safety product largely unchanged from the original capability. Conjunction screening conducted by him revealed previously unknown recurring collision threats to high-value NASA and national assets from several other spacecraft.

As the founder and administrator of the Space Safety Coalition (SSC), Mr. Oltrogge leads a commercial industry "Best Practices for Sustainability of Space Operations" initiative to collect and endorse a living set of space sustainability best practices. This innovative best practices document draws upon existing international space treaties, guidelines and standards developed by the United Nations, the IADC, the International Organization for Standardization (ISO) and the Consultative Committee for Space Data Standards (CCSDS). This first-of-its-kind coalition is comprised of space operators, space industry associations, and space industry stakeholders from across the globe.

Mr. Oltrogge has a Bachelor of Science degree in Aerospace, Aeronautical, and Astronautical Engineering from Iowa State University and a Master of Science degree in Aerospace Engineering and Astrodynamics from the University of Southern California.