



IN MEMORY OF **DR. CLIFFORD ANGER**

NOV 15, 1934 - DEC 19, 2025

FOUNDER AND CHAIRMAN, ITRES

It is with deep respect and gratitude that we remember Dr. Clifford Anger, founder and long-time chairman of ITRES, who passed away on December 19, 2025, in Canmore, Alberta. Dr. Anger was not only the scientific force behind the origin of ITRES, but he was its conscience and its compass.

Trained as a physicist, Dr. Anger's early work in space and atmospheric science included pioneering research on auroral emissions and key contributions to the Galileo and Viking missions, applying imaging and spectroscopy to understand planetary environments. That experience fostered a rare ability to connect scientific theory with practical instrumentation, an approach that would come to define ITRES's technical philosophy. In 1979, Dr. Anger helped establish ITRES to translate advanced imaging science into practical airborne applications. At a time of economic uncertainty and limited commercial precedent, he remained steadfast in the belief that imaging spectroscopy would play a critical role in understanding Earth's systems. That long-term thinking proved decisive.

Under his leadership in 1988, ITRES played a key role in early airborne imaging spectrograph development through collaboration on the Fluorescence Line Imager (FLI), led by Moniteq, with ITRES contributing critical expertise in imaging electronics and sensor systems.



Building on this foundation, Dr. Anger guided the in-house development of the Compact Airborne Spectrographic Imager (CASI) in 1989, marking ITRES's emergence as a leader in operational hyperspectral imaging. These systems helped move hyperspectral remote sensing from experimental research into reliable, real-world deployment, setting benchmarks for data quality, calibration, and geospatial accuracy.

Dr. Anger led with quiet confidence. He valued careful engineering, thoughtful collaboration, and close engagement with users. He built ITRES as a place where scientific rigor and craftsmanship mattered, and where people were trusted to do meaningful, challenging work. Even after retiring from daily operations, he remained a steady presence on the board, offering clarity and perspective without seeking the spotlight.

His legacy lives on in the standards we uphold, the technologies we advance, and the culture he shaped. A legacy grounded in integrity, curiosity, and respect for both science and people. ITRES honors his memory by continuing the work he believed in and by advancing airborne hyperspectral and thermal remote sensing with purpose, precision, and care.

From all those whose lives you touched, thank you Dr. Anger.