

System Level Technical Analysis for EO Sensors

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Abstract

Electro Optical Sensor Systems have been around for over seven decades. While the ingredients of a successful system have not changed, use of ever advancing technology allows improvements in size, weight, power, performance, and cost. A user can tailor simple modular EO systems such as digital cameras, but a new satellite payload may have over 600 parameters to consider. An overview of EO sensor system development will be presented with examples from a smart phone camera to the Hubble Space Telescope.

Bio

Michael Meier is a management consultant for aerospace technology growth. Corporate experience includes directing business development for a \$16B remote sensing portfolio at Lockheed Martin Space Systems. Government experience includes managing a 40-project remote sensing R&D portfolio for the Department of Energy National Nuclear Security Administration. He was VP Business Development and VP Chief Technology Officer at Exelis Geospatial Systems, now part of Harris Corporation. CEO of three startups, he also served on the board of directors for a fourth. He is a past president of the Optical Society of Southern California, has 6 patents granted, and earned a B.S. Physics from Case Western Reserve University. His passion is electro-optical remote sensing systems as both career expertise and personal art form.