

Integrated RF-Optical Communications Project Research Publications

- Karl B. Fielhauer, Bradley G. Boone and Daniel E. Raible, "Concurrent Systems Engineering and Risk Reduction for Dual-Band (RF/Optical) Spacecraft Communications," IEEE Aerospace Conference, Big Sky, Montana, March 2012.
- Daniel E. Raible and Alan G. Hylton, "Integrated RF/Optical Interplanetary Networking Preliminary Explorations and Empirical Results," 30th AIAA International Communications Satellite Systems Conference, Ottawa, Canada, September 2012.
- Alan G. Hylton and Daniel E. Raible, "On Applications of Disruption Tolerant Networking to Optical Networking in Space," 30th AIAA International Communications Satellite Systems Conference, Ottawa, Canada, September 2012.
- Jing Li, Alan Hylton, James Budinger, Jennifer Nappier, Joseph Downey, and Daniel Raible, "Dual-pulse Pulse Position Modulation (DPPM) for Deep-Space Optical Communications: Performance and Practicality Analysis," NASA Technical Memorandum 2012-216042, November 2012.
- Daniel J. Zeleznikar, Jennifer M. Nappier, and Joseph A. Downey, "Ka-band Link Study and Analysis for a Mars Hybrid RF/Optical Software Defined Radio," 32nd AIAA International Communications Satellite Systems Conference (ICSSC), San Diego, CA, 2014.
- Alan G. Hylton and Daniel E. Raible, "Networked Operations of Hybrid Radio Optical Communication Satellites," 32nd AIAA International Communications Satellite Systems Conference (ICSSC), San Diego, CA, 2014.
- Daniel E. Raible, Robert R. Romanofsky, James M. Budinger, Jennifer M. Nappier, Alan G. Hylton, Aaron J. Swank, and Anthony L. Nerone, "On the Physical Realizability of Hybrid RF and Optical Communications Platforms for Deep Space Applications," 32nd AIAA International Communications Satellite Systems Conference (ICSSC), San Diego, CA, 2014.