

**“Optical-microwave links for LO distribution in space systems”**, pp.206-211

Bertrand Onillon, Stéphanie Constant, Gianandrea Quadri, Benoît Benazet, Olivier Llopis

**Abstract** – This paper presents the results obtained on different systems dedicated to the optical distribution of high spectral purity RF and microwave signals in a satellite payload or towards the elements of an active antenna. First, the interest of the photo-oscillator receiver for these applications in the RF frequency range is pointed out. Then, different emitter configurations and modulation techniques are investigated in the microwave range.