

Free-space optical communication (FSO) is an optical communication technology that uses light propagating in free space to wirelessly transmit data for telecommunications or computer networking ...

It features studies on innovative materials and components, including photonic devices, waveguides, and amplifiers, highlighting the latest developments in high-capacity and high-speed data transmission.

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NICT is aiming at demonstration experiments of LEO-to-Ground laser communication. AES is encouraged to show demonstration of the small satellite standard bus and provision of environment ...

Focusing on the development and demonstration of terrestrial lasercom systems at the Johns Hopkins University Applied Physics Laboratory (APL), this article discusses critical technology development, ...

Abstract: In this paper, we present the development of transmitter and receiver equipment for optical camera communication (OCC) and the operation of these systems in laboratory settings intended to ...

GA-EMS" Optical Communication Terminals (OCTs) and Optical Ground Terminals (OGTs) are scalable and adaptable to enable robust, multi-domain communications between space, air, land, and sea, ...

Space Communications and Navigation (SCaN) will use optical transceivers both on the ground and in space to send and receive information. The transceivers will be able to utilize many of ...

Optical communications technologies decades in the making at Lincoln Laboratory were transferred to NASA for its first two-way laser relay communications system. A system that enables robust, long ...

LEOK-42 is designed to help students understand the working principle of a Fourier 4f optical system, and conduct experiments on optical filtering, image addition/subtraction and differentiation operations.



Optical Communication Experimental Equipment

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