EIT Opto-Routing

Energy-efficient optical receivers for Austrian airports

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Research Topics

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Optical Receivers: Structures, Performance, and Optimization

Before comparing different optical receiver concepts and discussing the most relevant receiver design trade-offs, we introduce some important receiver performance measures.

Photonics in Austria

Energy efficiency, free-space com-munication and photonics integrated circuits are the main topics of interest for Austria's ICT research. Compared to electrons, photons in fibre optic cables travel long

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41. 'amateur radio station' means one or more transmitters or receivers or a group of transmitters or receivers, including ancillary equipment, which are required for the operation of an amateur radio

Energy efficient optical receivers for next generation non-terrestrial

In this chapter, a detector array receiver is proposed that integrates the beam tracking and symbol detection functions in one single unit. This not only simplifies the receiver architecture but also leads

How Airports Can Achieve Sustainability Goals through Energy-Efficient

Airports must continue evolving their approach to energy efficiency as new technologies emerge and environmental standards advance. Collaboration between airport operators, architects,

Passive Optical Network offers high-speed, future-proof

They have published a few announcements touting how they are " one of the first North American airports to install a Passive Optical Network (PON),

RFIC_Final_Manuscript_v3

The proposed receiver architecture achieves error-free operation (BER

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