Anti-interference measures for fiber optic communication links

In recent years, sensing and demodulation technologies based on microwave photonics have attracted widespread attention. Optical fiber sensing combined with microwave photonics has higher sensitivity ...

On the basis of analyzing the requirements of typical application scenarios, we introduce in this paper a secure data transmission algorithm based on confidence of wireless opportunistic ...

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In order to achieve accurate transmission of protection signals in fiber optic communication networks, it is necessary to perform channel balancing configuration of fiber optic ...

Learn how to minimize signal interference in fiber optic systems and discover the latest technology trends and solutions.

To detect fiber eavesdropping under interference scenarios, we propose a detection scheme based on the analysis of SOP and EVM parameters. Leveraging deep learn.

Addressing the linear interference challenges posed by OFDM in multi-channel fiber optic communication networks, this paper introduces an innovative linear anti-interference method.

In this article, for enhancing the anti-interference of the FSO communication systems, we have proposed a demodulation system of the compressed hybrid vortex beam combined with an ...

An improved differential cross-multiplication algorithm and cross-correlation algorithm are proposed for vibration demodulation and location, and its performance in engineering structure health ...

P. Johannisson and M. Karlsson, "Perturbation analysis of nonlinear propagation in a strongly dispersive optical communication system," IEEE J. Lightwave Technol. 31, 1273-1282 (2013).

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