

The innovation allows critical, high-bandwidth submarine communications at speed and depth. This reported in-novation is a subsurface optical com-munications buoy, with active neutral buoyancy and ...

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To improve explainability and interpretability of ML algorithms in optical communications, and to gain novel knowledge about fiber-optic communications, we need to invent novel ML methods ...

Along with higher speeds, these optical transceivers/components are required to be smaller and have lower power consumption, requiring the application of optical integration ...

The third edition of this classic textbook provides a genuinely accessible introduction to the principles and implementation of optical communication systems, covering the fundamental optical principles, ...

In this paper we discuss the research aspects of submarine optical communication, its design issues and the implementation parameters.

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By replacing the string with a special glass fiber that can be tens of miles long, and the cups by a laser at the transmitting end and a photon detector at the receiver end, we have the outline of a modern ...

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