

This tutorial provides an overview of the enabling technologies for fixed and mobile applications in the fifth-generation (5G) era and beyond.

To respond in time to new needs and fluctuating demand in the optical access network, we are researching and developing optical-signal branching/merging technology that can provide optical ...

The unprecedented complexity of FOAN will be addressed by adaptive networks that incorporate intelligent devices, software-enabled control, and network automation via programmable ...

This paper reviews the key enabling access technologies and progress advancements of these networks. The emerging optical and wireless access technologies are also presented and compared.

This Special Issue will focus on recent advances in optical networking technologies, concentrating on optical access networks and the convergence of integrated fiber and wireless access technologies.

We discuss artificial intelligence-based network monitoring and resource allocation. Next, we provide a techno-economical study for sustainable fiber deployment strategies. Finally, we report ...

Fiber optic technology is invaluable across various sectors, particularly where high speed, high bandwidth, and long-distance communication are essential. Let's explore the key sectors where ...

Reduces Complexity & Costs: Unified platforms for optical and wireless access help providers cut operational costs and simplify management. **Improves Service Quality:** Offers high ...

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