

The Optical Internet: Architectures and Protocols for the Global Infrastructure of Tomorrow



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Overview



- Paper is a general description for Optical Internet
- Authors present their ideas of suitable technology and protocols that might be implemented
- They show architecture, control plane and some problems which may arise following their ideas

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Optical Internet



- Future Global infrastructure
- IP and DWDM to the core
- Today optical capabilities to the edges
- Predominant networking layers: IP/MPLS and optical layer, performing transport, switching, multiplexing and routing only there.
- Unified control layer designed around IP and MPLS
- Optical bandwidth on demand: dynamic provisioning of optical bandwidth, from requests (IP Routers and LSRs)

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