

Optical Burst Switching (OBS): A New Area in Optical Networking Research



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Outline



- **Introduction**
- **OBS Fundamentals**
- **Qualitative Comparison**
- **Burst Assembly**
- **Burst Reservation Protocols**
- **Burst Switching**
- **Towards an Optical Internet**
- **Conclusion**

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Overview



- A tutorial to optical burst switching (OBS)
- Basic burst assembly
 - The early work on burst transmission
- A protocol for OBS networks called Just-Enough-Time (JET)
- Algorithms for burst scheduling and contention resolution strategies
- Performance and implementation issues

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Introduction (1)



- Optical circuit switching
 - based on λ
 - optical packet switching
- In this paper, optical burst switching (OBS) is proposed

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