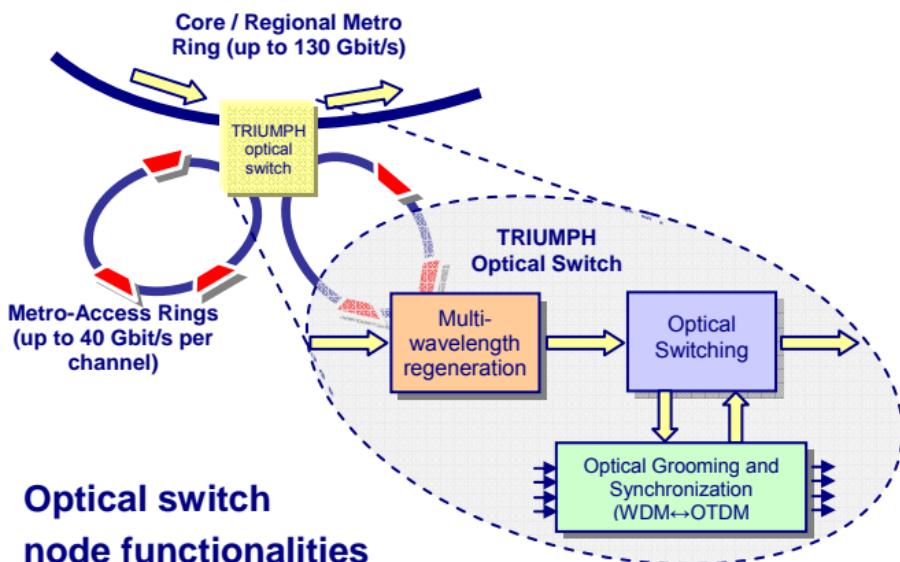


Building new functionalities for metro networks

The TRIUMPH project is developing systems that will enable a new broadband paradigm in future metro and core networks. A switch node with optical grooming and multi-wavelength regeneration functionalities is being developed for transparent optical ring interconnection.

Future network scenario

TRIUMPH envisions a high capacity OTDM/WDM network with transparent connectivity between core/regional-metro rings and metro-access rings using an advanced optical switching node.



Optical switch node functionalities

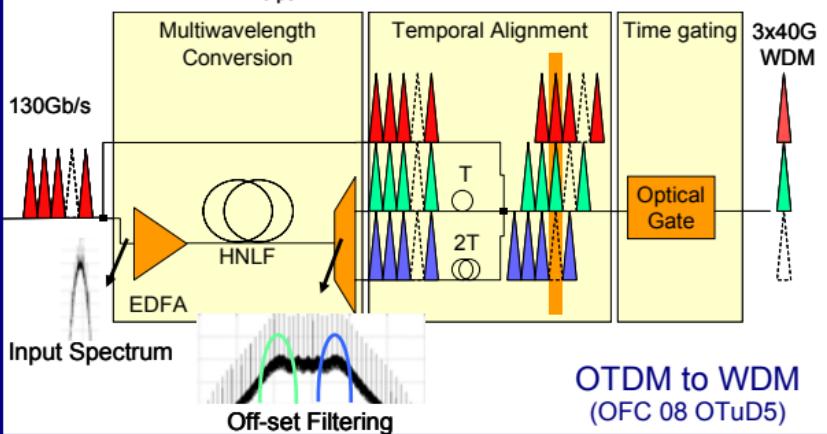
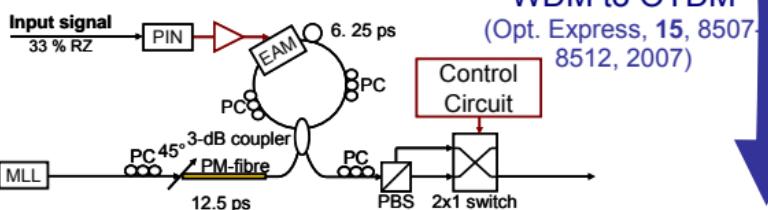
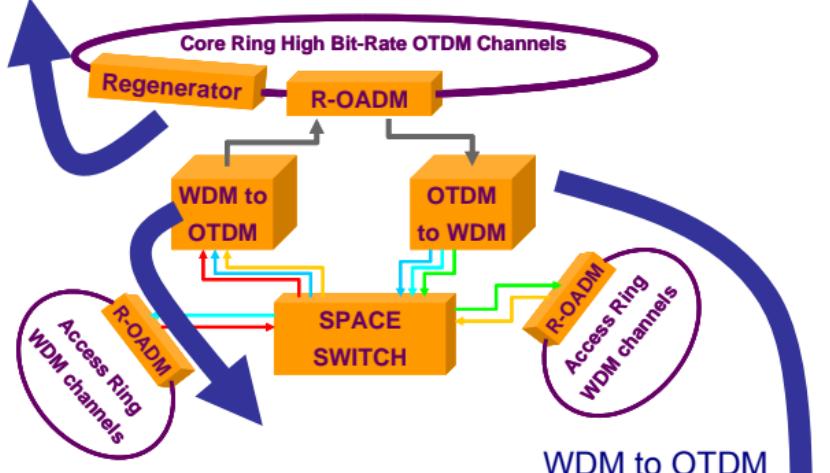
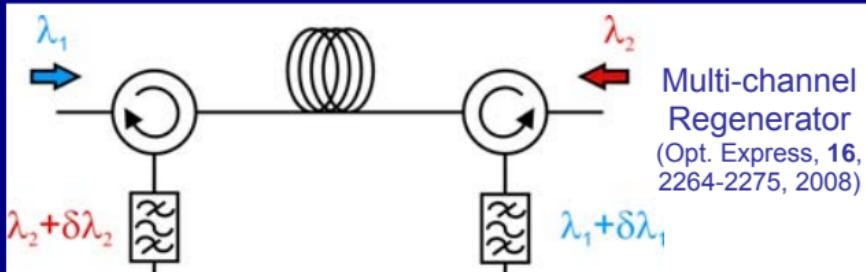
- Transparent connectivity between rings
- Dynamic optical switching
- Synchronization, bit-rate adaptation, optical grooming and aggregation
- Multi-wavelength regeneration

www.ihq.uni-karlsruhe.de/research/projects/TRIUMPH/



Sixth Framework Programme

Physical Implementation



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