

Line Transmission Technology

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Since 2004

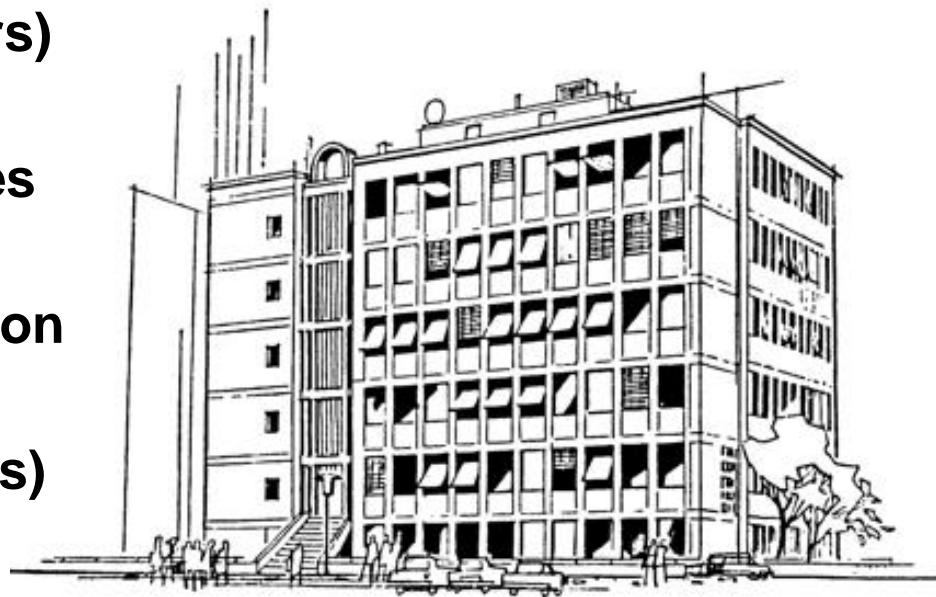
Research fields:

- **Optical Communication Systems**
 - Advanced modulation and reception
 - Link Optimization
 - Optical/electronic signal processing
 - System modeling (analytical/numerical)
 - System Experiments (with partners)

- **Communications over copperwires**
 - Powerline Communications
 - Advanced modulation and reception
 - Subsystems (FPGA)
 - System experiments (with partners)

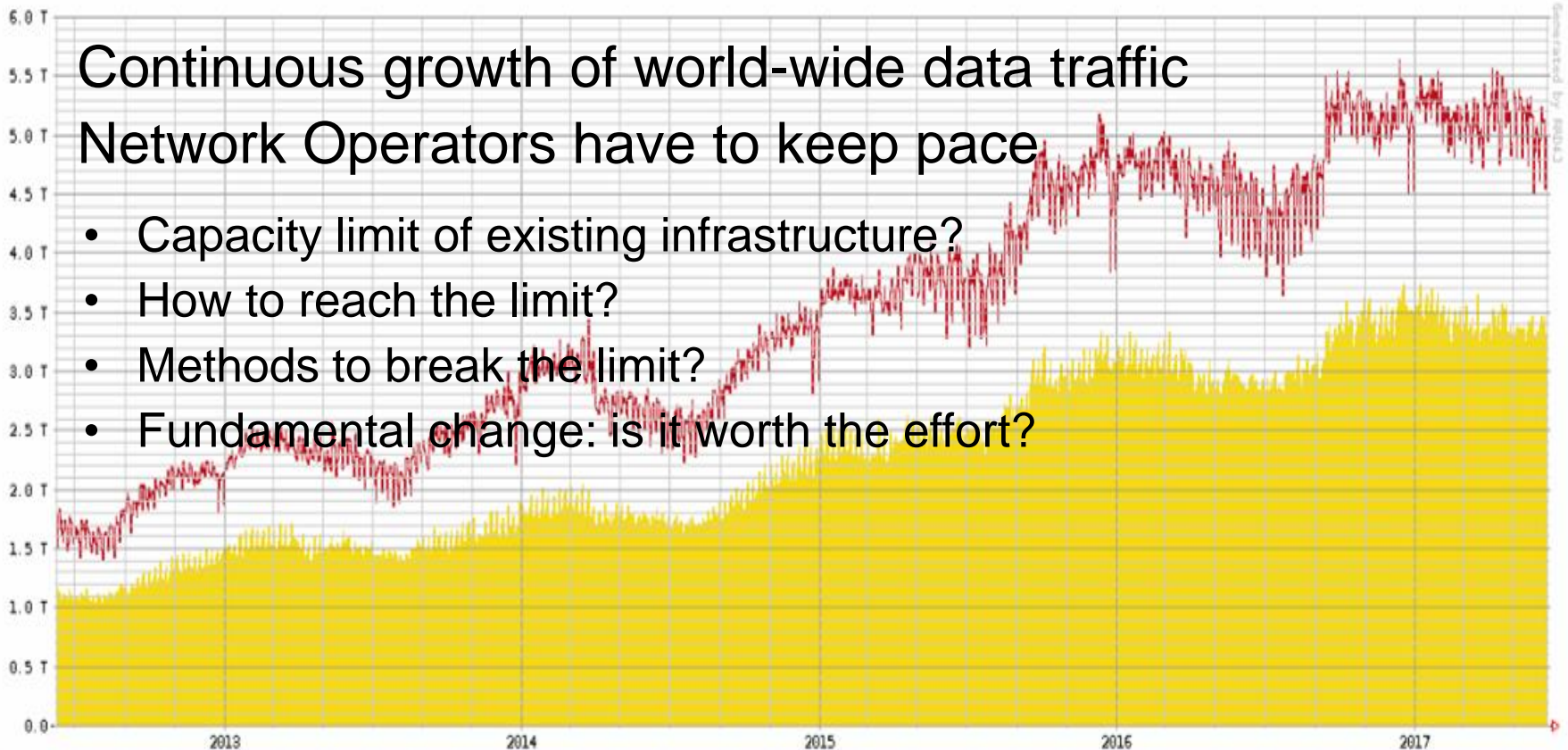
Partners:

Deutsche Telekom, Siemens,
Nokia Siemens Networks,
Coriant, Cisco,
BMBF, DFG



Breaking Capacity Limits of Optical Communication Systems

5-year graph



■ average traffic in bits per second
■ peak traffic in bits per second
Current 3274.7 G
Averaged 2249.5 G
Graph Peak 5638.0 G
DE-CIX All-Time Peak 5638.02
Created at 2017-06-12 00:48 UTC
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