



# Split University Infinera Master Class

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# Proposed Agenda

- Infinera and history of innovations
  - from 10 Gbit/s to 100 Tbit/s
- Basics of optical transmission
  - Amplification
  - Multiplexing
  - OTN and Ethernet
  - Anatomy of a transponder
  - Building Terrestrial and subsea networks
  - Data Center Interconnect
  - Market overview and today's aspects
- Subsea masterclass
  - Subsea network evolution (compensated, uncompensated, festoon,...)
  - Spatial Division Multiplexing (SDM)
  - Seismic detection
- Future in optical transmission
  - Innovations: From pt-pt to pt-mp optics (XR optics)
  - DSP evolution
  - Optics evolution incl IPoDWDM
  - AI and ML
- Demo videos
- Kahoot quiz game
- Open discussion

