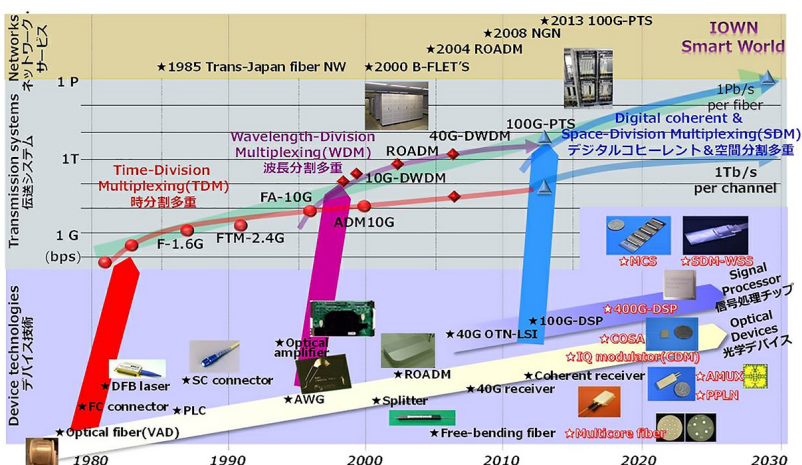## 100-times capacity in backbone network

Abstract

We are accelerating our R&D on generating, transmitting, and handling optical signals for data rates exceeding 1 Tbit/s on IOWN's optical transport networks capable of scalability, high capacity, and cost-and-energy efficiency

Features

- Enabling technologies: 1) Higher symbol rate 2) Enhanced information rate 3) Increased spectral efficiency 4) Improved SNR 5) New multiplexing degrees

Application Scenarios

- Backbone networks, optical-wireless access networks, and intra/inter-connection of datacenters designed for IOWN's all-photonics network architectures

Roadmaps

We aim to realize IWON's all-photonics netwrok concept by fully combining and integrating cutting-edge photonics and electronics technologies

Exhibitors

NIPPON TELEGRAPH AND TELEPHONE CORPORATION

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