Title: ON2020 – Industry visions for sustainably scaling optical networks

Abstract:

Abstract: Optical Networks 2020 (ON2020) is an IEEE Industry Connections activity that develops visions for needs and technologies underlying optical networking solutions in the cloud era. With a 10-year horizon in mind, ON2020 aims to define new optical network requirements and specifications, develop general network technology roadmaps and evolution scenarios, and foster an open and sustainable ecosystem for end users, service providers, and equipment and component vendors to collectively address the optical networking demands in the cloud era. Freed from near-term thinking, competition, and looking beyond existing standardization efforts, the program will help to set longer-term goals and directions that the fiber-optic communications industry should be expected to work towards.