

The speaker will present experimental and theoretical results on extending the span length of repeaterless (or nothing-in-line) transmissions at 1 Gbit/s, 2.5 Gbit/s and 10 Gbit/s over standard G.652 SMF (SSMF) using an EDFA booster, a distributed Raman fibre amplifier and an EDFA preamplifier. Practical results are described and future goals are also discussed.