1. Record Nr. UNINA9910346889103321

Autore	Li Jingshi
Titolo	Optical Delay Interferometers and their Application for Self-coherent Detection
Pubbl/distr/stampa	KIT Scientific Publishing, 2013
ISBN	1000031463
Descrizione fisica	1 online resource (XX, 142 p. p.)
Collana	Karlsruhe Series in Photonics and Communications / Karlsruhe Institute of Technology, Institute of Photonics and Quantum Electronics (IPQ)
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Self-coherent receivers are promising candidates for reception of 100 Gbit/s data rates in optical networks. Self-coherent receivers consist of multiple optical delay interferometers (DI) with high-speed photodiodes attached to the outputs. By DSP of the photo currents it becomes possible to receive coherently modulated optical signals. Especially promising for 100 Gbit/s networks is the PolMUX DQPSK format, the self-coherent reception of which is described in detail.