Silicon photonics for multicore fiber communication

We review our recent work on silicon photonics for multicore fiber communication, including multicore fiber fan-in/fan-out, multicore fiber switches towards reconfigurable optical add/drop multiplexers. We also present multicore fiber based quantum communication using silicon devices.

General information
State: Published
Organisations: Department of Photonics Engineering, Nanophotonic Devices, High-Speed Optical Communication, Centre of Excellence for Silicon Photonics for Optical Communications, Fiber Optics, Devices and Non-linear Effects
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Number of pages: 3
Publication date: 2016

Host publication information
Title of host publication: Proceedings of 2016 Asia Communications and Photonics Conference
Publisher: Optical Society of America OSA
Source: PublicationPreSubmission
Source-ID: 127626245
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016