Reconfigurable Forward Error Correction Decoder for Beyond 100 Gbps High Speed Optical Links - DTU Orbit (12/02/2019)

Reconfigurable Forward Error Correction Decoder for Beyond 100 Gbps High Speed Optical Links

In this paper we propose a reconfigurable forward error correction decoder for beyond 100 Gbps high speed optical links. The decoders for product codes can be configured to support the applications at a rate of a multiple of 100 Gbps, which provides the flexibility and scalability.

General information
State: Published
Organisations: Department of Photonics Engineering, Metro-Access and Short Range Systems, Coding and Visual Communication, High-Speed Optical Communication
Contributors: Li, B., Larsen, K. J., Zibar, D., Tafur Monroy, I.
Pages: 119-122
Publication date: 2015
Peer-reviewed: Yes

Publication information
Journal: IEEE Communications Letters
Volume: 19
Issue number: 2
ISSN (Print): 1089-7798
Ratings:
- BFI (2019): BFI-level 1
- Web of Science (2019): Indexed yes
- BFI (2018): BFI-level 1
- Web of Science (2018): Indexed yes
- BFI (2017): BFI-level 1
- Scopus rating (2017): CiteScore 3.01 SJR 0.589 SNIP 1.37
- Web of Science (2017): Impact factor 2.723
- Web of Science (2017): Indexed yes
- BFI (2016): BFI-level 1
- Scopus rating (2016): CiteScore 2.47 SJR 0.536 SNIP 1.221
- Web of Science (2016): Impact factor 1.988
- BFI (2015): BFI-level 1
- Scopus rating (2015): CiteScore 2.51 SJR 0.701 SNIP 1.408
- Web of Science (2015): Indexed yes
- BFI (2014): BFI-level 1
- Scopus rating (2014): CiteScore 2.35 SJR 0.734 SNIP 1.348
- Web of Science (2014): Impact factor 1.268
- BFI (2013): BFI-level 1
- Scopus rating (2013): CiteScore 2.32 SJR 0.931 SNIP 1.614
- Web of Science (2013): Impact factor 1.463
- ISI indexed (2013): ISI indexed yes
- BFI (2012): BFI-level 1
- Scopus rating (2012): CiteScore 2.13 SJR 0.863 SNIP 1.492
- Web of Science (2012): Impact factor 1.16
- ISI indexed (2012): ISI indexed yes
- Web of Science (2012): Indexed yes
- BFI (2011): BFI-level 1
- Scopus rating (2011): CiteScore 1.93 SJR 0.698 SNIP 1.481
- Web of Science (2011): Impact factor 0.982
- ISI indexed (2011): ISI indexed yes
- Web of Science (2011): Indexed yes
- BFI (2010): BFI-level 1
- Scopus rating (2010): SJR 0.728 SNIP 1.389
- Web of Science (2010): Impact factor 1.06