

Dispersion management for nonlinearity mitigation in two-span 28 GBaud QPSK phase-sensitive amplifier links

Astra, Egon; Olsson, Samuel L. I.; Eliasson, Henrik; **Andrekson, Peter Avo** Optics express 2017 / p. 13163-13173 : ill

<https://doi.org/10.1364/OE.25.013163>

Dispersion map optimization for nonlinearity mitigation in two-span phase-sensitive amplifier links [Electronic resource]

Astra, Egon; Olsson, Samuel L. I.; Eliasson, Henrik; **Laadung, Taavi**; **Andrekson, Peter Avo** ECOC 2016 : 42th European Conference on Optical Communication : September 18-22, 2016, Congress Center Düsseldorf (CCD), Germany : proceedings 2016 / p. 953-955 : ill. [DVD]

Erratum to: Long-haul optical transmission link using low-noise phase-sensitive amplifiers (Nature Communications, (2018), 9, 1, (2513), 10.1038/s41467-018-04956-5)

Olsson, Samuel L. I.; Eliasson, Henrik; **Astra, Egon**; Karlsson, Magnus; Andrekson, Peter A. Nature Communications 2018 / Art. nr. 3064 <https://doi.org/10.1038/s41467-018-05591-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

Four-span dispersion map optimization for improved nonlinearity mitigation in phase-sensitive amplifier links

Astra, Egon; Eliasson, Henrik; **Andrekson, Peter Avo** 2017 European Conference on Optical Communication (ECOC 2017), Gothenburg, Sweden, 17-21 September 2017 2017 / p. 424-426 : ill <https://doi.org/10.1109/ECOC.2017.8345968>

Improved mitigation of self-phase modulation induced impairments in 28 GBaud phase-sensitive amplified links

Astra, Egon; Eliasson, Henrik; **Ruuben, Toomas**; Andrekson, Peter Avo Optics express 2019 / p. 4304-4316 : ill

<https://doi.org/10.1364/OE.27.004304> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Long-haul optical transmission link using low-noise phase-sensitive amplifiers

Olsson, Samuel L. I.; Eliasson, Henrik; **Astra, Egon**; Karlsson, Magnus; Andrekson, Peter Avo Nature communications 2018 / art.

2513, 7 p. : ill <https://doi.org/10.1038/s41467-018-04956-5> Eesti 27 aastat internetis välismaailmaga: teadlaste uus andmeedastustehnoloogia [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Outage probability of a robust antenna array

Astra, Egon; **Trump, Tõnu** Latest trends in circuits, systems, signal processing and automatic control : [proceedings of the 5th CSCS'14, the 2nd ASAP'14 : Salerno, Italy, June 3-5, 2014] 2014 / p. 64-69 : ill

Phase-sensitive amplifier link with distributed Raman amplification

Eliasson, Henrik; Vijayan, Kovendhan; Foo, Benjamin; Olsson, Samuel L. I.; **Astra, Egon**; Karlsson, Magnus; Andrekson, Peter Avo Optics express 2018 / p. 19854-19863 <https://doi.org/10.1364/OE.26.019854> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Transmission fiber nonlinearity mitigation in optical communication links using phase-sensitive parametric amplifiers = Edastusfiibri mittelineaarsete mõjutuste vähendamine optilistes sidesüsteemides faasitundlike parameetriliste võimendite abil

Astra, Egon 2019 <https://digikogu.taltech.ee/et/Item/2a85df1e-6c58-45ef-8814-29510894bfc3>