



Contribution ID: 286

Type: **Poster**

Decode NFDM-QAM signals with carrier phase and frequency offsets using convolutional neural network

Tuesday 13 December 2022 18:45 (15 minutes)

This work explores the potential of convolutional neural network to directly decode information encoded in the nonlinear Fourier domain under the influence of carrier frequency offset and carrier phase offset.

Authors: AFSHAR VAHID, Shahraam (Laser Physics and Photonic Devices Laboratories, University of South Australia, SA 5095, Australia); Prof. CHAN, Terence (University of South Australia); ZHANG, Wen Qi (University of South Australia)

Presenter: ZHANG, Wen Qi (University of South Australia)

Session Classification: Poster session

Track Classification: ANZCOP: ANZCOP: Fibre & communications