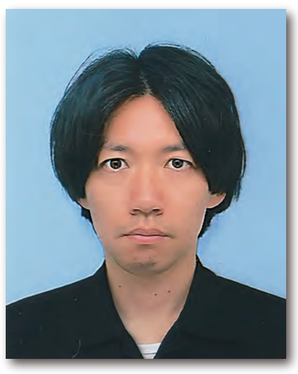
# NTT Innovative Devices
# New Achievement!
# OFC2024 featured new data speed record

(OFC News Release)



# Net-1.8 Tbps/λ Transmission Enabled by C+L-band InP-based Coherent Driver Modulator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**Abstract:** Using a newly developed InP-based C+L-band supported coherent driver modulator with an electro-optic 3dB bandwidth above 90 GHz, an 80km transmission with a net bit rate of 1.8Tbps/λ in the C+L band was successfully demonstrated. © 2024 The Author(s)





Photograph of InP-based CDM




(b)

NGMI of back-to-back and 80-km SSMF transmission of
1.8 Tbps (DP 180-Gbaud PCS-144QAM with entropy of 12.86 bits/symbol) and
1.6 Tbps (DP 180-Gbaud PCS-64QAM with entropy of 11.05 bits/symbol).

## Presented at OFC

Presenter: Josuke Ozaki
Session: Transmitters and Receivers
No.: W3A
Date: March 27, 2024
Time: 2:00 PM to 4:00 PM PDT
Room: 1A

**Josuke Ozaki won the Li Innovation Prize**

The Tingye Li Innovation Prize is presented to the author of an exceptional accepted paper to OFC.

**NTT Innovative Devices offers Coherent Driver Modulator (CDM) products for high-speed coherent transmission applications.**

***Please feel free to ask person in this booth or contact below!***

Website: https://www.ntt-innovative-devices.com/en/index.html
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