OECC/PSC 2022

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in Switching and Computing 2022

OECC2022 PSC2022 Toyama, Japan

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Toyama International
Conference Center,
Toyama, Japan

Best Paper Award

MF1-4

Photodiode-Integrated 8×8 Array-Antenna Module for Analog-RoF Supporting 40-GHz 5G Systems

Shinji Nimura, Shota Ishimura, Kazuki Tanaka, Kosuke Nishimura, Ryo Inohara
KDDI Research, Inc.

WA-3-4

WDM Transmission in S-Band Using PPLN-Based Wavelength Converters and 400-Gb/s C-Band Real-Time Transceivers

Tomoyuki Kato[1], Hidenobu Muranaka[1], Yu Tanaka[1], Yuichi Akiyama[1], Takeshi Hoshida[1], Shimpei Shimizu[2], Takayuki Kobayashi[2], Takushi Kazama[2,3], Takeshi Umeki[2,3], Kei Watanabe[2,3], Yutaka Miyamoto[2]
[1]Fujitsu Limited, [2]NTT Network Innovation Laboratories, [3]NTT Device Technology Laboratories

TuC2-2

Characterization of Inter-core Crosstalk of Multi-core Fiber as a Function of Bending Radius with Multi-channel OTDR

Yuto Kobayashi[1], Takahiro Suganuma[1], Tetsuya Hayashi[1], Takemi Hasegawa[1], Masato Yoshida[2], Masataka Nakazawa[2]
[1]Sumitomo Electric Industries, Ltd., [2]Tohoku Univ.

WD1-2

1.5 pJ/bit, 128 Gb/s, 50°C Operation of AXEL for Short Reach Application

Wataru Kobayashi, Shigeru Kanazawa, Takahiko Shindo, Manabu Mitsuhara, Fumito Nakajima
NTT Corporation

TuE4-2

Demonstration of Port-Selective Beam Scanner Incorporating Silicon Vertically Curved Waveguide Antenna Arrays

Yuki Atsumi, Tomoya Yoshida, Ryosuke Matsumoto, Ryotaro Konoike, Youichi Sakakibara, Takashi Inoue, Keijiro Suzuki

National Institute of Advanced Industrial Science and Technology (AIST)

MD2-2

Characterization of Silicon Optical Phased Array with On-Chip Phase Monitors

Shun Takahashi, Taichiro Fukui, Ryota Tanomura, Yoshitaka Taguchi, Yasuyuki Ozeki, Yoshiaki Nakano, Takuo Tanemura

The Univ. of Tokyo

WC3-2

WDM-Enabled Photonic Edge Computing

Alexander Sludds[1], Ryan Hamerly[1,2], Saumil Bandyopadhyay[1], Zaijun Chen[1], Zhizhen Zhong[1], Liane Bernstein[1], Manya Ghobadi[1], Dirk Englund[1]

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