

List of Other Research Papers Published Overseas

(From October 2020 to September 2021)

[25th Optoelectronics and Communications Conference] 2020.10, Taiwan

Optimized Side-View Alignment Method for Asymmetrical Core Arranged Multicore Fibers
Masaki Ohzeki, Yusuke Sasaki, Katsuhiro Takenaga, and Kazuhiko Aikawa

[25th Optoelectronics and Communications Conference] 2020.10, Taiwan

Effect of Bending on Skew of Multicore Fibers and Optical Fiber Ribbons
Yusuke Sasaki, Katsuhiro Takenaga, and Kazuhiko Aikawa

[International Cable & Connectivity Symposium] 2020.10, Online

Development of ultra-high density and fiber-count cable using 200- μm -coated Bend Insensitive Optical Fiber Complying with G.652.D and G.657.A1
Yoshie Sajima, Soichiro Kaneko, Hironori Sato, Akira Namazue, Ken Osato

[International Cable & Connectivity Symposium] 2020.10, Online

3000-Fiber Optical Cable using 200 μm Fiber
Tujimoto Yusuke, Noriaki Yamashita, Akira Namazue, and Ken Osato

[PVSEC-30 & GPVC 2020] 2020.11, Online(Korea)

Development of Durable Dye-Sensitized Solar Cells for Energy Harvesting Applications
Hiroshi Matsui, Mami Kitsuda, Naoki Matsumoto, and Kenichi Okada

[2020 Asia-Pacific Microwave Conference] 2020.12, Hong Kong

A Flexible Antenna for Ka-Band Active Phased Array SATCOM Transceiver
Dongwon You,¹ Daisuke Awaji,² Atsushi Shirane,¹ Hiraku Sakamoto,¹ and Kenichi Okada¹
1: Tokyo Institute of Technology
2: Fujikura Ltd.

[2020 International Conference on Emerging Technologies for Communications] 2020.12, Online

200 μm -coated 4-core multi-core fiber for realizing ultra-high core density optical fiber cable
Ryohei Fukumoto, Masaki Ohzeki, Tsubasa Saito, Katsuhiro Takenaga, and Kazuhiko Aikawa

[46th European Conference on Optical Communication] 2020.12, Online(Belgium)

Petabit Class Transmission and Switching
Ruben S. Luis,¹ Benjamin J. Puttnam,¹ Georg Rademacher,¹ Tobias A. Eriksson,^{1,2} Yusuke Hirota,¹ Satoshi Shinada,¹ Andrew Ross-Adams,³ Simon Gross,³ Michael Withford,³ Ryo Maruyama,⁴ Kazuhiko Aikawa,⁴ Yoshinari Awaji,¹ Hideaki Furukawa,¹ and Naoya Wada¹
1: NICT
2: Infinera Corp.
3: MQ Photonics Research Centre
4: Fujikura Ltd.

[SPIE Photonics West 2021] 2021.03, USA

Cutting and drilling of CFRP by using 3-kW CW single-mode fiber laser and galvanometer scanner
Yuya Takubo, Daisuke Sekine, Keisuke Uchiyama, Shinya Ikoma, and Koji Omichi

[IEEE Journal of Selected Topics in Quantum Electronics •Volume: 27 Issue: 2 P1~P8] 2021.03

909.5 Tbit/s Dense SDM and WDM Transmission Based on a Single Source Optical Frequency Comb and Kramers-Kronig Detection
Deming Kong,¹ Edson Porto da Silva,¹ Yusuke Sasaki,² Kazuhiko Aikawa,² Francesco Da Ros,¹ Michael Galili,¹ Toshio Morioka,¹ Hao Hu,¹ and Leif Katsuo Oxenløwe¹
1: Technical University of Denmark
2: Fujikura Ltd.

[Superconductor Science and Technology] 2021.05

Fatigue behavior of REBCO coated conductors under through-thickness tensile stress
Shogo Muto, Shinji Fujita, Hiroki Sato, Kazuya Akashi, Yasuhiro Iijima, and Masanori Daibo

[The Optical Fiber Communication Conference and Exhibition 2021] 2021.06, Online(USA)

Optical Fiber Cable Employing 200 μm -Coated Multicore Fibers for High Density Wiring in Datacom
Yusuke Sasaki, Ryohei Fukumoto, Katsuhiro Takenaga, Shogo Shimizu, and Kazuhiko Aikawa

[The Optical Fiber Communication Conference and Exhibition 2021] 2021.06, Online(USA)

1,728-Fiber Cable With 12-Fiber Ribbons Comprising 160- μ m Coating Fiber With 80- μ m Cladding

S. Matsuo, K. Yamashiro, K. Hoshi,
Y. Tsujimoto, M. Miyata, H. Asada,
T. Nakajima, and K. Osato

[virtual 2021 joint 23rd Cryogenic Engineering Conference and International Cryogenic Materials Conference] 2021.07, Online

Development of long-length and uniform 2G HTS wire at Fujikura

S. Hanyu

[The Journal of Adhesion] 2021.07

Volume Change and Viscoelastic Properties of UV-curable Adhesives for Precise Positioning during Curing Process and Their Formulation

A. Takahashi,¹ and C. Sato²

1: Fujikura Ltd.
2: Tokyo Institute of Technology

[Superconductor Science and Technology] 2021.08

Superconducting properties of commercial REBCO-coated conductors with artificial pinning centers

Kiyosumi Tsuchiya,¹ Xudong Wang,¹
Shinji Fujita,² Ataru Ichinose,³
Kyohei Yamada,⁴ Akio Terashima,¹ and
Akihito Kikuchi⁵

1: KEK
2: Fujikura Ltd.
3: CRIEPI
4: Sophia Univ.
5: NIMS

[The 15th European Conference on Applied Superconductivity] 2021.09, Online

Recent progress of RE-based High Temperature Superconductors at Fujikura

S. Hanyu

[The 15th European Conference on Applied Superconductivity] 2021.09, Online

AC loss measurements in an HTS coil wound using two-ply bundle conductor

K.Kajikawa,¹ Y.Fujiwara,¹ M.Miezaki,¹
S.Awaji,² A.Badel,² K.Takahashi,²
T.Okada,² T.Abe,² S.Fujita,³ S.Muto,³
K.Tsuchiya,³ Y.Iijima,³ and M.Daibo³

1: Sanyo-Onoda City Univ.
2: Tohoku Univ.
3: Fujikura Ltd.

[47th European Conference on Optical Communication] 2021.09, Online (France)

MEMS mirror-based 1 \times 4 Core Selective Switch for 12-core fiber with low insertion-loss

Yuta Goto,¹ Ruben S Luís,¹
Yusuke Hirota,¹ Satoshi Shinada,¹
Sayaka Nagayama,² Asa Higashitani,²
Tetsuya Kobayashi,² Ryohei Fukumoto,³
and Hideaki Furukawa¹

1: National Institute of Information and Communications Technology (NICT)
2: OPTOQUEST Co., Ltd.
3: Fujikura Ltd.

[47th European Conference on Optical Communication] 2021.09, Online (France)

Variations in the Optical Characteristics of 200 μ m and 250 μ m Coated Multicore Fibres Owing to Cabling

Y. Sasaki, R. Fukumoto, K. Takenaga,
S. Shimizu, and K. Aikawa

[47th European Conference on Optical Communication] 2021.09, Online (France)

Alignment and fusion splicing techniques for MCFs

M. Ohzeki

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