

List of Other Research Papers Published Overseas

(From April 2020 to March 2021)

<p>[IEEE Photonics Conference (IPC2019)] 2019.10, San Antonio (USA) High Core Count Single-mode Multicore Fibers for Dense Space Division Multiplexing K. Aikawa, Y. Sasaki, Y. Amma, K. Takenaga</p> <p>[Asia Communications and Photonics Conference (ACP2019)] 2019.10, Wuhan (China) On the Performance of Hybrid Multi-Core and Few-Mode Fiber Links R. S. Luís ¹⁾, G. Rademacher ¹⁾, B. J. Puttnam ¹⁾, H. Furukawa ¹⁾, Y. Awaji ¹⁾, R. Maruyama, K. Aikawa, N. Wada ¹⁾</p> <p>[Asia Communications and Photonics Conference (ACP2019)] 2019.10, Wuhan (China) Temperature Induced Group-Delay Variations in a Graded-Index Few-Mode Fiber B. J. Puttnam ¹⁾, G. Rademacher ¹⁾, R. S. Luís ¹⁾, R. Maruyama, K. Aikawa, H. Furukawa ¹⁾, Y. Awaji ¹⁾, N. Wada ¹⁾</p> <p>[IWCS 2018 Cable & Connectivity Symposium] 2019.10, Charlotte (USA) 200 mm-Coated Bend Insensitive Optical Fiber Complying with G. 652. D and G. 657. A1 for High-Density Cable T. Onodera, R. Maryyama, K. Okada, A. Murata, S. Matsuo</p> <p>[IWCS 2018 Cable & Connectivity Symposium] 2019.10, Charlotte (USA) High-Density Aerial Optical Cable with High Strength Sheath M. Ohno, S. Sato, K. Tomikawa, K. Osato</p> <p>[IWCS 2018 Cable & Connectivity Symposium] 2019.10, Charlotte (USA) Key Technology of Spider Web Ribbon (SWR) and the SZ Bunching Unit Y. Sajima, H. Sato, S. Kaneko, A. Namazue, K. Osato</p> <p>[International Congress on Applications of Lasers & Electro-Optics (ICALEO2019)] 2019.10, Orland (USA) HIGH SPEED CONTINUOUS PROCESSING OF CFRP WITH 3-KW CW SINGLE-MODE FIBER LASER Y. Takubo, S. Ikoma, K. Nakayama, Y. Umeda, M. Kashiwagi, D. Tanaka</p>	<p>[The second Dyenamo DSSC conference] 2019.10, Uppsala (Sweden) Fujikura's activities for commercialization of DSSC for energy harvesting K. Okada</p> <p>[The 32nd International Symposium on Superconductivity (ISS2019)] 2019.12, Kyoto (Japan) BMO Doped REBCO Coated Conductors with Uniform in-Field Performance and High Growth Rate by Hot-wall PLD Process Y. Iijima, K. Kakimoto, S. Fujita, S. Muto, T. Yoshida, W. Hirata, Y. Adachi, S. Hanyu, R. Kikutake, M. Daibo, S. Awaji ²⁾ T. Kiss ³⁾, 1Tohoku. Univ., 2Kyushu Univ.</p> <p>[IEICE Photonic Device Workshop 2019] 2019.12, Tokyo (Japan) High Efficiency 9xx-nm Broad Area Laser Diode and its Reliability in High Power Operation Y. Yamagata</p> <p>[SPIE Photonics West 2020] 2020.2, San Francisco (USA) Highly efficient 9xx-nm band single emitter laser diodes optimized for high output power operation. Y. Yamagata, Y. Kaifuchi, R. Nogawa, K. Yoshida, M. Yamaguchi</p> <p>[SPIE Photonics West 2020] 2020.2, San Francisco (USA) 8-kW single stage all-fiber Yb-doped fiber laser with a BPP of 1 mm-mrad Y. Wang, R. Kitahara, W. Kiyoyama, Y. Shirakura, T. Kurihara, Y. Nakanishi, T. Yamamoto, M. Nakayama, S. Ikoma, K. Shima</p> <p>[Optics Letters] 2020.2 Diagnosis of modal and chromatic dispersions for the LP01 and LP11 modes through temporal decomposition by means of Fourier transform N. Shibata ⁴⁾, K. Watanabe ⁴⁾, M. Ohashi ⁵⁾, R. Maruyama, K. Aikawa</p> <p>[Optical Fiber Communication Conference and Exposition (OFC2020)] 2020.3, San Francisco (USA) Asymmetrically Arranged 8-core Fibers with Center Core Suitable for Side-view Alignment in Datacenter Networks Y. Sasaki, M. Ozeki, K. Takenaga, K. Aikawa</p>
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<p>[Optical Fiber Communication Conference and Exposition (OFC2020)] 2020.3, San Francisco (USA) Characterization and Optical Compensation of LP01 and LP11 Intra-modal Nonlinearity in Few-Mode Fibers F. Da Ros ⁶⁾, P. M. Kaminski ⁶⁾, G. Rademacher ¹⁾, B. J. Puttnam ¹⁾, R. S. Luis ¹⁾, W. Klaus ¹⁾, H. Furukawa ¹⁾, R. Maruyama, K. Aikawa, T. Morioka ⁶⁾, L. K. Oxenløwe ⁶⁾, N. Wada ¹⁾, M. Galili ⁶⁾</p> <p>[Journal of Lightwave Technology] 2020.03 High Spatial Density 6-Mode 7-Core Fiber Amplifier for L-band Operation Y. Jung ⁷⁾, M. Wada ⁸⁾, K. Shibahara ⁹⁾, S. Jain ⁷⁾, I. A. Davidson ⁷⁾, P. Barua ⁷⁾, J. R. Hayes ⁷⁾, T. Sakamoto ⁸⁾, T. Mizuno ⁹⁾, Y. Miyamoto ⁹⁾, Y. Sasaki, K. Saitoh ¹⁰⁾, K. Nakajima ⁸⁾, D. J. Richardson ⁷⁾</p>	<p>[The 3rd Optical Wireless and Fiber Power Transmission Conference (OWPT2020)] 2020.04, Online (Japan) High Efficiency operation of 9xx-nm Broad Area Laser Diode and its Cavity Length Dependency R. Nogawa, K. Yoshida, T.Kawakami, Y. Yamagata, Y. Kaifuchi, M. Yamaguchi</p> <p>[21st International symposium on Laser Precision Microfabrication (LPM2020)] 2020.06, Online (Germany) Drilling of CFRP with reduced and non-directional heat-affected zone by using 3-kW CW single-mode fiber laser Y. Takubo, D. Sekine, J. Sato, K. Uchiyama, S. Ikoma, Y. Umeda</p>
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