

## 外部発表一覧 (2019年)

### List of papers presented/published externally (2019)

題名 Article Title	著者名 Author	掲載誌名、発表学会・協会 Journal title	巻、号、頁、年、論文番号等 Publication information
Segmentation Method of Three Dimensional SEM Images of Biological Tissue	Kohki Konishi, Masafumi Mimura, Takao Nonaka, Ichiro Sase, Keisuke Ohta*, Hideo Nishioka*, Mitsuo Suga*	Microscopy/日本顕微鏡学会 第62回シンポジウム (招待講演)	Vol. 68, Iss. Supplement_1, p. 12, November 2019
Detection of individual sub-Pixel features in Edge-Illumination X-ray Phase contrast imaging by means of dark-field channel	Norihito Matsunaga, Kazuhiro Yano, Marco Endrizzi*, Alessandro Olivo*	Journal of Physics D: Applied Physics	Vol. 53, Iss. 9, 2020, Article number 095401
Evaluation of Navigation Operations in Immersive Microscopic Visualization	Tomomi Takashina, Mitsuru Ito, Yuji Kokumai	Proceedings of the ACM Symposium on Virtual Reality Software and Technology 2019/25th ACM Symposium on Virtual Reality Software and Technology, VRST 2019	November 2019, Article No. 68
Midair Haptic Representation for Internal Structure in Volumetric Data Visualization	Tomomi Takashina, Mitsuru Ito, Yuji Kokumai	SIGGRAPH Asia 2019 Posters - International Conference on Computer Graphics and Interactive Techniques	November 2019, Article No. 45
The stability condition for the FDTD of the optical diffusion equations	Hidemitsu Toba, Satoru Odate, Katsura Otaki, Goro Nishimura*	Optical Review	Vol. 27, Iss. 1, pp. 81-89, 2020
Spectator excitement detection in small-scale sports events	Kazuhiro Abe, Chikara Nakamura, Yosuke Otsubo, Tetsuya Koike, Naoto Yokoya*	MMSports '19/27th ACM International Conference on Multimedia	October 2019, pp. 100-107
ナノフォーカス X 線源を用いたスラリー中のガラス球状観察	樋口浩太, 松成秀一, 梅本高明	第80回 応用物理学会 秋季学術講演会	応用物理学会秋季学術講演会講演予稿集 (CD-ROM) Vol. 80th Page. ROMBUNNO. 20a-E305-8
すべての光学顕微鏡を扱う統一結像理論	福武直樹	第80回 応用物理学会 秋季学術講演会	応用物理学会秋季学術講演会講演予稿集 (CD-ROM) Vol. 80th Page. ROMBUNNO. 18a-PA1-6
反射型エシエロンを用いたテレヘルツ時間領域分光ラインイメージング	秦 大樹, 原田真太郎*, 浅井 岳, 嵐田雄介*, 片山郁文*	第80回 応用物理学会 秋季学術講演会	応用物理学会秋季学術講演会講演予稿集 (CD-ROM) Vol. 80th Page. ROMBUNNO. 19a-PA2-15
高信号雑音比・低歪みシングルショットテラヘルツ波形検出手法の開発	浅井 岳, 原田真太郎*, 秦 大樹, 嵐田雄介*, 片山郁文*	第80回 応用物理学会 秋季学術講演会	応用物理学会秋季学術講演会講演予稿集 (CD-ROM) Vol. 80th Page. ROMBUNNO. 18p-E206-1
小スポット 950 KeV 線形加速型 X 線源の産業用非破壊検査への応用	在家正行, 松永教仁, 佐藤智哉, 山田篤志, 鶴谷敏則, 山本昌志*, 畑農 督*, 城野 哲*	2019年度精密工学会秋季大会	精密工学会大会学術講演会講演論文集 Vol. 2019 秋季 (CD-ROM) Page. ROMBUNNO. J07 (2019.08.20) 冊子体: 精密工学会学術講演会講演論文集, 2019, 2019A 巻, 2019年度精密工学会秋季大会, p. 419-420
ニコン初 FX フォーマットミラーレスカメラの開発	尾崎浩二, 斉藤義久	日本写真学会誌	2019年 82巻 3号 pp. 224-227
Development overview and practical applications in stereomicroscope with "Perfect Zoom System"	Norio Miyake, Masahiro Mizuta, Nobuhiro Shinada, Takao Nonaka, Seiji Nakano, Shoko Hara, Hirofumi Kami	Proceedings / Zoom Lenses VI - SPIE The International Society for Optical Engineering	Vol. 11106, Article Number 1110608
Fundamental properties of broadband dual-contact diffractive optical elements	Toru Nakamura, Kenzaburo Suzuki, Yosuke Inokuchi, Shiho Nishimura	Optical Engineering	Vol. 58, Iss. 8, 2019, Article Number 085103
The direct absorption measurement of fused silica, CaF <sub>2</sub> , MgF <sub>2</sub> , and sapphire at VUV and IR region	Kato Katsuyoshi, Chika Higashimura, Shunsuke Niisaka	Proc. SPIE. Laser-induced Damage in Optical Materials 2019	111731K (20 November 2019)
Phase analysis error reduction in the Fourier transform method using a virtual interferogram	Hidemitsu Toba, Zhiqiang Liu, Saori Udagawa, Naoki Fujiwara, Shigeru Nakayama, Takashi Genma, Mitsuo Takeda*	Optical Engineering	Vol. 58, Iss. 8, 1 August 2019, Article number 084103
Midair Click of Dual-Layer Haptic Button	Mitsuru Ito, Yuji Kokumai, Hiroyuki Shinoda*	2019 IEEE World Haptics Conference (WHC)	2019 IEEE World Haptics Conference, WHC 2019 July 2019, Article number 8816101, pp. 349-352
Application of a compact X-ray source with small focal spot using a 950 keV linear accelerator	Norihito Matsunaga, Tomoya Sato, Atsushi Yamada, Masayuki Zaike, Toshinori Tsuruya, Tadashi Hatano*, Masashi Yamamoto*, Kazuaki Suzuki	International Symposium on Digital Industrial Radiology and Computed Tomography - DIR2019	NDT. net Issue - 2019-11 - Articles
High-resolution nonlinear fluorescence microscopy using repetitive stimulated transition implemented with two-color continuous-wave lasers	Fumihiko Dake, Seri Hayashi	Optics Letters	Vol. 44, Iss. 13, pp. 3402-3405, 2019
Finding an optimal algorithm for predicting human embryo development using deep learning and high-resolution time-lapse cinematography (hr-TLC)	Masafumi Mimura, Ryo Tamoto, Masakazu Sato*, Toko Shimura*, Keitaro Yumoto*, Yasuyuki Mio*	ESHRE 2019	WWW.HUMREP.OXFORDJOURNALS.ORG VOLUME 34, SUPP 1 2019 ABSTRACT BOOK ESHRE 2019 - VIENNA, AUSTRIA I 23-26 JUNE 2019, p. 176
無容器法による中赤外発光ガラスの開発 (特集 ガラスの発光) Mid-infrared emitting glasses prepared by a containerless processing	吉本幸平, 江面嘉信, 上田 基, 増野敦信, 井上博之	NEW GLASS	Vol. 34, No. 1, pp. 7-10, 2019-03
Practical method of cell segmentation in electron microscope image stack using deep convolutional neural network	Kohki Konishi, Masafumi Mimura, Takao Nonaka, Ichiro Sase, Hideo Nishioka, Mitsuo Suga	MICROSCOPY	Vol. 68, Iss. 4, pp. 338-341, August 2019
Automatic parameter setting for lens aberration control during product lot exposure	Yutaka Kanakutsu, Yukio Koizumi, Hironori Ikezawa, Shigeru Eto, Junji Ikeda, Takenori Takeuchi, Tomoyuki Matsuyama, Edward Stan*, Ronald Hiltunen*	Proceedings / Optical microlithography XXXII - SPIE-The International Society for Optical Engineering	Vol. 10961, Article number 109610M
四診システムによる不定愁訴の診断と治療	横山 楓	未来医学	2019年 No. 32 pp. 22-28
民俗芸能3D データアーカイブの活用による継承支援	中川源洋, 笹垣信明	デジタルアーカイブ学会誌	2019年 3巻 2号 pp. 103-106
RtoR 直描露光装置を用いた有機トランジスタ湿式作製プロセスの開発	小泉翔平, 堀 正和, 林田洋祐, 内藤一夫, 川端誠司, 石垣雄大, 中積 誠, 岩堀恒一郎, 鬼頭義昭	映像情報メディア学会技術報告	Vol. 43, No. 7 pp. 7-9
Standalone alignment technology enabling feed-forward compensation of on-product overlay errors	Takehisa Yahiro, Junpei Sawamura, Sonyong Song, Sayuri Tanaka, Yuji Shiba, Satoshi Ando, Hiroyuki Nagayoshi, Jun Ishikawa, Masahiro Morita, Yuichi Shibasaki	Proceedings / Metrology Inspection, and Process Control for Microlithography XXXIII - SPIE The International Society for Optical Engineering	Vol. 10959, Article Number 1095908
Development of 950 kV X-ray source with small focal spot using a linear accelerator	Norihito Matsunaga, Tomoya Sato, Atsushi Yamada, Masayuki Zaike, Toshinori Tsuruya, Kosuke Nakanishi*, Tadashi Hatano*, Masashi Yamamoto*, Kazuaki Suzuki	9th Conference on Industrial Computed Tomography (iCT) 2019	NDT. net Iss. 2019-03
Polarization characteristics of dark-field microscopic polarimetric images of human colon tissue	Toru Fujii, Yasuo Yamasaki, Naoki Saito, Masayasu Sawada*, Ryo Narita*, Taku Saito*, Heather L. Durko*, Photini F. Rice*, Gabrielle V. Hutchens*, Joceline Dominguez-Cooks*, Harrison T. Thurgood*, Swati Chandra*, Valentine N. Nfonsam*, Jennifer K. Barton*	Proceedings / Label-free Biomedical Imaging and Sensing (LBIS) 2019	Vol. 10890, Article Number 108902J
Multispectral Mueller matrix imaging dark field Microscope for biological sample observation	Naoki Saito, Kenji Sato, Toru Fujii, Heather L. Durko*, Goldie L. Goldstein*, Alton H. Phillips*, Joceline Dominguez-Cooks*, Gabrielle V. Hutchens*, Harrison T. Thurgood*, Photini F. Rice*, Jennifer K. Barton*	Proceedings / Label-free Biomedical Imaging and Sensing (LBIS) 2019	Vol. 10890, Article Number 108901A
Fluorescence characterization of heavily Eu <sup>3+</sup> -doped lanthanum gallate glass spheres with high quenching concentration	Kohei Yoshimoto, Yoshinobu Ezura, Motoi Ueda, Atsunobu Masuno*, Hiroyuki Inoue*, Masafumi Mizuguchi	Optics Letters	Vol. 44, Iss. 4, pp. 875-878

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