

LIST OF PUBLICATIONS USING OPTSIM ®

Paper title	Author's Name	Publication	Year
Optimization and Comparison of Drift Region Specific ON-Resistance for Vertical Power Hk MOSFETs and SJ MOSFETs With Identical Aspect Ratio	Haimeng Huang ; Shaodi Xu ; Wenjia Xu ; Ke Hu ; Junji Cheng ; Hao Hu ; Bo Yi	Published in:-IEEE Transactions on Electron Devices (Volume: 67 , Issue: 6 , June 2020) Page(s)-2463 - 2470 Print ISSN: 0018-9383 Electronic ISSN: 1557-9646	2020
Simultaneous ranging and velocimetry with multi-tone continuous wave lidar	Mustafa Mert Bayer, Rasul Torun, Xun Li, Jose E. Velazco, and Ozdal Boyraz	Optics Express Vol. 28, Issue 12, pp. 17241-17252 (2020)	2020
Compensation of Chromatic Dispersion and Nonlinear Phase Noise Using Iterative Soft Decision Feedback Equalizer for Coherent Optical FBMC/OQAM Systems	Khaled Abdulaziz Alaghbari ; Heng-Siong Lim ; Tawfig Ahmad Eltaif	Published in-Journal of Lightwave Technology Page(s):-1 - 1 Print ISSN: 0733-8724 Electronic ISSN: 1558-2213	2020
Effect of bias current in proposed two-stage injection-locked optical OFDM MMF system	Monika Nehra & Deepak Kedia	Journal of Optics volume 49, pages9–16(2020) Web Reference : ELSEVIER	2020
2x2-channel mode-wavelength division multiplexing in Ro-FSO system with PCF mode group demultiplexers and equalizers	Angela Amphawan,Sushank Chaudhary,Zabih Ghassemlooy,Tse-Kian Neo	Optics Communications Volume 467, 15 July 2020, 125539 Web Reference : ELSEVIER	2020
Linearization of Photonic Link Based on Phase-Controlled Dual Drive Dual-Parallel Mach–Zehnder Modulator	Sarika Singh, Sandeep K. Arya & Shelly Singla	Wireless Personal Communications (2020) Web Reference : SpringerLink	2020
Convolutional Recurrent Machine Learning for OSNR and Launch Power Estimation: A Critical Assessment	Hyung Joon Cho ; Siddharth Varughese ; Daniel Lippiatt ; Stephen E. Ralph	Published in-2020 Optical Fiber Communications Conference and Exhibition (OFC) INSPEC Accession Number-19591919	2020
Comparison of Laguerre-Gaussian, Hermite–Gaussian and linearly polarized modes in SDM over FMF with electrical nonlinear equalizer	Alaa Fareed, Alaan Ghazi, Aras Al-Dawoodi4, S. A. Aljunid, Syed Zulkarnain Syed Idrus, C. B. M. Rashidi3, Angela Amphawan, Ahmed M. Fakhrudeen, and Ibrahim Eskandar Ibrahim Fadhel	AIP Conference Proceedings > Volume 2203, Issue 1 > 10.1063/1.5142137	2020
DYNAMIC RANGE MEASUREMENT OF RADIO OVER FIBER LINK BY EMPLOYING 120° PHASE SHIFT METHOD	P. Kumar,S. K. Sharma,Sh. Singla,A. Sharma	Telecommunications and Radio Engineering Volume 79,Issue 2 DOI: 10.1615/TelecomRadEng.v79.i2.20	2020
Bandwidth efficient frame structures for flip OFDM with phase conjugated sub carriers and LDPC encoding	UshaChoudhary & VijayJanyani	Optik Volume 204, February 2020, 164175 Web Reference : ELSEVIER	2020
Waveguide for vortex mode generation in HVAC cloud management communication	N. Ali1,A. Amphawan, M. Hariz Hafizalshah, S. A. Aljunid,R. Endut, C. B. M. Rashidi, M. N. M. Yasin and M. I. Shapiai	AIP Conference Proceedings Volume 2203, Issue 1 > 10.1063/1.5142151	2020
Quantum Cryptography and Simulation: Tools and Techniques	Shuangbao Wang , Matthew Rohde , Amjad Ali	ICCSP 2020: Proceedings of the 2020 4th International Conference on Cryptography, Security and PrivacyJanuary 2020 Pages 36–41https://doi.org/10.1145/3377644.3377671	2020
Forward Error Correction Codes—Reed–Solomon and LDPC for OFDM Over the Optical Fiber Communication Systems	Usha Choudhary & Vijay Janyani	Optical and Wireless Technologies Volume 648,pp 281-288 Web Reference : SpringerLink	2020
Evaluation of the Physical Performance of an FTTH-GPON System for Quad Play Services After the Incorporation of an RoF Module	Andrés Felipe Escallón-Portilla , Víctor Hugo Ruíz-Guachetá, José Giovanni López-Perafán	TecnoLogicas Print version ISSN 0123-7799 On-line version ISSN 2256-5337 TecnoL. vol.23 no.47 Medellín Jan./Apr. 2020	2020
Design and Performance Investigations with Ultra High Speed Optical ALU	Devendra Kumar Tripathi	Journal of Optical Communications DOI: https://doi.org/10.1515/joc-2019-0113	2020

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Modeling of Request Cloning in Cloud Server Systems using Processor Sharing	Tommi Nylander, Johan Ruuskanen, Karl-Erik Årén, Martina Maggio	ICPE '20: Proceedings of the ACM/SPEC International Conference on Performance Engineering April 2020 Pages:-24–35 https://doi.org/10.1145/3358960.3379128	2020
A Dynamic Bandwidth Allocation Algorithm for Gigabit Passive Optical Network for Reducing Packet Delay and Bit Error Rate	Md. Hayder Ali, Mohammad Hanif Ali	Proceedings of International Joint Conference on Computational Intelligence pp 197-206	2019
SNDR optimization of linearized Mach–Zehnder modulator for multi-tone RoF system	Shelly Singla & Parvin Kumar	Journal of Optics volume 48, pages224–231(2019)	2019
Milankovitch Stratigraphy in the Miocene–Pleistocene Marine Succession of Offshore Central California	Pamela S. Hill; Richard J. Behl	Journal of Sedimentary Research (2019) 17 (1): 215–232	2019
Physical Layer Performance of Multi-Band Optical Line Systems Using Raman Amplification	M. Cantono, A. Ferrari, D. Pileri, E. Virgillito, J. L. Augé, and V. Curri	Journal of Optical Communications and Networking Vol. 11, Issue 1, pp. A103-A110 (2019)	2019
High-Performance Time-Interleaved Optical Sampling Based on Temporal Lenticular Lens	Junying Ru ; Chester Shu	Published in-IEEE Photonics Technology Letters (Volume: 31 , Issue: 4 , Feb.15, 15 2019) Page(s)-311 - 314 Print ISSN: 1041-1135	2019
An improved least squares channel estimation algorithm for coherent optical FBMC/OQAM system	KhaledAbdulaziz ,Alaghbari,Heng-Siong Lim,Tawfig Eltaif	Optics Communications Volume 439, 15 May 2019, Pages 141-147 Web Reference : ELSEVIER	2019
0.55 Tb/s heterogeneous Nyquist-WDM superchannel using different polarization multiplexed subcarriers	Divya Sharma, Y. K. Prajapati & Rajeev Tripathi	Photonic Network Communications volume 39, pages120–128(2020)	2019
Error correction using LDPC code for performance improvement in clipped and biased OFDM with direct detection over optical fiber	Usha Choudhary ; Vijay Janyani	Published in:-2019 9th Annual Information Technology, Electromechanical Engineering and Microelectronics Conference (IEMECON) Electronic ISBN: 978-1-5386-9325-4	2019
Applying heat pumps to utilize municipal solid waste at St. Petersburg TPP	Milana Treshcheva, Dmitriy Treshchev and Daria Pozdeeva	E3S Web Conf. Volume 140, 2019 International Scientific Conference on Energy, Environmental and Construction Engineering (EECE-	2019
Integrated Photonics and Application-Specific Design on a Massive Open Online Course Platform	Sajan Saini, Stefan Preble, Miloš Popović, Jaime Cardenas, Alan Kost, Erik Verlage, Gregory Howland, and Lionel C. Kimerling	Fifteenth Conference on Education and Training in Optics and Photonics: ETOP 2019 ETOP 2019 Papers (Optical Society of America, 2019), paper 11143_151	2019
FBG Sensors Network Embedded in Spectrum-sliced WDM-PON Transmission System Operating on Single Shared Broadband Light Source	Ugis Senkans ; Janis Braunfelds ; Ilya Lyashuk ; Jurgis Porins ; Sandis Spolitis ; Viktors Haritonovs ; Vjaceslavs Bobrovs	Published in:-2019 Photonics & Electromagnetics Research Symposium - Fall (PIERS - Fall) Electronic ISBN: 978-1-7281-5304-9 Print on Demand(PoD) ISBN: 978-1-7281-5305-6	2019
Foundry Development of System-On-Chip InP-Based Photonic Integrated Circuits	Gloria E. Hoefler ; Yuchun Zhou ; Maria Anagnosti ; Ashish Bhardwaj ; Payam Abolghasem,Adam James,Shawn Luna,Peter Debackere, Andrew Dentai,Thomas Vallaitis,Paul Liu,Mark Missey,Scott Corzine, Peter Evans,Vikrant Lal,Mehrdad Ziari,David Welch,Fred Kish,	Published in-IEEE Journal of Selected Topics in Quantum Electronics (Volume: 25 , Issue: 5 , Sept.-Oct. 2019) Article Sequence Number-6100317 Print ISSN: 1077-260X Electronic ISSN: 1558-4542 INSPEC Accession Number-18632359 DOI-10.1109/JSTQE.2019.2906270 Publisher:IEEE	2019
Optical neural networks based on optical fiber-communication system	Cheng,Tian-You,ChouDa-Ya Liu,Ching-Chuan,ChangYa-Ju,Chen,Chii-Chang	Neurocomputing Volume 364, 28 October 2019, Pages 239-244 Web Reference : ELSEVIER	2019

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Development of Python-MATLAB Interface Program for Optical Communication System Simulation	Yongwoon Hwang ; Doyoung Choi ; Huicheol An ; Seokjoo Shin; Chung Ghiu Lee	Published in : 2019 International Conference on Green and Human Information Technology (ICGHIT) Electronic ISBN: 978-1-7281-0627-4 Print on Demand(PoD) ISBN: 978-1-7281-0628-1	2019
SFDR Enhancement of 120° Phase Angle-Based RoF Link by Using Linear Polarizers	Parvin Kumar ; Shelly Singla ; Sanjay Kumar Sharma	Published in:IEEE Photonics Technology Letters (Volume: 31 , Issue: 8 , April15, 15 2019) Page(s):611 - 614 Print ISSN: 1041-1135	2019
Integration of millimeter-wave and optical link for duplex transmission of hierarchically modulated signal over a single carrier and fiber for future 5G communication systems	Afnan Riaz, Salman Ghafoor & Rizwan Ahmad	Telecommunication Systems volume 72, pages 221–229(2019) Web Reference : SpringerLink	2019
Numerical simulation of helical structure mode-division multiplexing with nonconcentric ring vortices	Yousef Fazea	Optics Communications Volume 437, 15 April 2019, Pages 303-311 Web Reference : ELSEVIER	2019
All-optical regenerative technique for width-tunable ultra-wideband signal generation	Jawad Mirza, Salman Ghafoor & Ashiq Hussain	Photonic Network Communications volume 38, pages98–107(2019) Reference : ELSEVIER	2019
Performance Analysis of Square-Shaped and Star-Shaped Hierarchically Modulated Signals Generated Using All-Optical Techniques	Anisa Qasim,Salman Ghafoor	Intelligent Computing - Proceedings of the Computing Conference CompCom 2019: Intelligent Computing pp 230-241	2019
Analysis of Wavelength Division Multiplexing (WDM) Links bases Radio over free space Optics	Amit Mahal ; Arti Vaish	Published in-2019 Third International Conference on Inventive Systems and Control (ICISC) Electronic ISBN: 978-1-5386-3950-4 Print on Demand(PoD) ISBN: 978-1-5386-3951-1	2019
Microwave Photonic System For Ultrawideband Waveform Generation Based on Photonic Microring Resonator and Electrical Filter	Rohan Katti ; Shanthi Prince	Published in-2019 Workshop on Recent Advances in Photonics (WRAP) Electronic ISBN: 978-1-7281-4749-9 Print on Demand(PoD) ISBN: 978-1-7281-4750-5 INSPEC Accession Number-19413743 DOI-10.1109/WRAP47485.2019.9013649 Publisher:IEEE Conference Location-Guwahati, India,	2019
Polarizationmultiplexing based duplex radio-over-fiber link for millimeterwave signal transmission to a ring of multiple radio access units	Tayyab Mehmood, Hina Qayyum & Salman Ghafoor	Frontiers of Information Technology & Electronic Engineering volume 20, pages300–306(2019)	2019
Microwave photonic filtering based on optical carrier suppression modulation	Faizan Umar Jawad Mirza Salman Ghafoor	Microwave and Optical Technology LettersVolume 62, Issue 1	2019
Optimizing optimization: accurate detection of hidden interactions in active body systems from noisy data	Chun-Wang Su, Zi-Gang Huang, Wen-Xu Wang, Jue Wang, Xiao-Fan Wang & Ying-Cheng Lai	Nonlinear Dynamics volume 96, pages13–21(2019)	2019
OFDM over Optical Fiber	Usha Choudhary & Vijay Janyani	Optical and Wireless Technologies pp 317-323	2019
Investigation of EDFA Performance in DWDM Transmission Systems Under Different Operating Conditions	J. Putrina , S. OlonkinsSergejs.olonkins , V. Bobrovs and J. Porins	Latvian Journal of Physics and Technical Sciences Volume 56: Issue 2	2019

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Investigation of Stimulated Raman Scattering Impact on Dual-pump FOPA Performance in WDM Transmission Systems	Sergejs Olonkins ; Julija Putrina ; Jurgis Porins ; Rolands Parts ; Vjaceslavs Bobrovs	Published in-2019 PhotonIcs & Electromagnetics Research Symposium - Spring (PIERS-Spring) Electronic ISSN: 1559-9450 INSPEC Accession Number-19467917 DOI-10.1109/PIERS-Spring46901.2019.9017741 Publisher:IEEE Conference Location-Rome, Italy	2019
Superposition of Next Generation PON to Existing PON's OOK Signals	Shoki Ogawa ; Yasuyuki Okumura ; Katsuyuki Fujii	Published in-2019 IEEE 8th Global Conference on Consumer Electronics (GCCE) Electronic ISBN: 978-1-7281-3575-5 USB ISBN: 978-1-7281-3574-8 Print on Demand(PoD) ISBN: 978-1-7281-3576-2 Print on Demand(PoD) ISSN: 2378-8143 INSPEC Accession Number-19411896 DOI-10.1109/GCCE46687.2019.9015376 Publisher:IEEE Conference Location-Osaka, Japan	2019
Impact of adaptive modulated OOFM signals for SD-WDM system using HOA	Chakresh Kumar & Ghanendra Kumar	Applied Physics A volume 125, Article number: 216 (2019)	2019
Mode division multiplexing and dense WDM-PON for Fiber-to-the-Home	Yousef Fazea	Optik Volume 183, April 2019, Pages 994-998 Web Reference : ELSEVIER	2019
Convolutional Neural Networks for Optical Performance Monitoring	Hyung Joon Cho ; Daniel Lippiatt ; Siddharth Varughese ; Stephen E. Ralph	Published in-2019 IEEE Avionics and Vehicle Fiber-Optics and Photonics Conference (AVFOP) Electronic ISBN: 978-1-7281-0609-0 Print on Demand(PoD) ISBN: 978-1-7281-0610-6 DOI-10.1109/AVFOP.2019.8908212 Publisher:IEEE Conference Location-Arlington, VA, USA	2019
Integration of FBG Optical Sensor Network in DWDM-PON Transmission System	Klinta Vilcane ; Rihards Murnieks ; Marina Aleksejeva ; Janis Braunfelds ; Ilya Lyashuk ; Vjaceslavs Bobrovs Riga	Published in-2019 Photonics & Electromagnetics Research Symposium - Fall (PIERS - Fall) Electronic ISBN: 978-1-7281-5304-9 Print on Demand(PoD) ISBN: 978-1-7281-5305-6 INSPEC Accession Number-19434742 DOI-10.1109/PIERS-Fall48861.2019.9021808 Publisher:IEEE Conference Location	2019
Performance of a Direct-Detection Spot Mode Division Multiplexing in Multimode Fiber	Yousef Fazea, Mustafa Muwafak Alobaedy and Zeyid T. Ibraheem	Journal of Optical Communications Volume 40: Issue 2	2019

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Evaluation of TCM to Coexisting OOK and PSK in Optical Access	Yuki Kuno ; Yasuyuki Okumura ; Katsuyuki Fujii	Published in-2019 IEEE 8th Global Conference on Consumer Electronics (GCCE) Electronic ISBN: 978-1-7281-3575-5 USB ISBN: 978-1-7281-3574-8 Print on Demand(PoD) ISBN: 978-1-7281-3576-2 Print on Demand(PoD) ISSN: 2378-8143 INSPEC Accession Number 19412240	2019
5x222 Gb/s PM-16QAM Nyquist-WDM Superchannel	Shikha Devi, Divya Sharma & Y. K. Prajapat	Proceedings of International Conference on Sustainable Computing in Science, Technology and Management (SUSCOM), Amity University Rajasthan, Jaipur - India, February 26-28, 2019	2019
Synthesis of a current mode second order band pass filter using the Genetic Algorithm	EL BEQAL Asmae ; BENHALA Bachir ; GARBAYA Amel ; KOTTI Mouna ; FAKHFAKH Mourad ; ZORKANI zeddine	Published in 2019 5th International Conference on Optimization and Applications (ICOA) Electronic ISBN: 978-1-7281-1482-8 Print ISBN: 978-1-7281-1481-1 USB ISBN: 978-1-7281-1480-4 Print on Demand(PoD) ISBN: 978-1-7281-1483-5 INSPEC Accession Number:18735737 DOI-10.1109/ICOA.2019.8727706 Publisher:IEEE Conference Location	2019
Evaluation of TCM to Coexisting OOK and PSK in Optical Access	Yuki Kuno ; Yasuyuki Okumura ; Katsuyuki Fujii	Published in-2019 IEEE 8th Global Conference on Consumer Electronics (GCCE) Electronic ISBN: 978-1-7281-3575-5 USB ISBN: 978-1-7281-3574-8 Print on Demand(PoD) ISBN: 978-1-7281-3576-2 Print on Demand(PoD) ISSN: 2378-8143 INSPEC Accession Number-19412240 DOI-10.1109/GCCE46687.2019.9015390	2019
Polarization Multiplexing-Based Ultra-Wideband Over Fiber Communication Employing Direct Modulation and Carrier Re-Use	Salman Ghafoor	Published in IEEE Communications Letters (Volume: 23 , Issue: 6 , June 2019) Page(s)-1008 - 1011 Print ISSN: 1089-7798 Electronic ISSN: 1558-2558 CD: 2373-7891 INSPEC Accession Number:18736728	2019
All-optical generation and transmission of multiple ultrawideband signals over free space optical link	Jawad Mirza, Salman Ghafoor, Ashiq Hussain	Optical Engineering 58(5), 056103 (9 May 2019).	2019
Impact of adaptive modulated OOFM signals for SD-WDM system using HOA	Chakresh Kumar & Ghanendra Kumar	Applied Physics A volume 125, Article number: 216 (2019) Reference : SpringerLink	Web 2019
Mode division multiplexing and dense WDM-PON for Fiber-to-the-Home	Yousef Fazea	Optik Volume 183, April 2019, Pages 994-998 Web Reference : ELSEVIER	2019
Convolutional Neural Networks for Optical Performance Monitoring	Hyung Joon Cho ; Daniel Lippiatt ; Siddharth Varughese ; Stephen E. Ralph	Published in: IEEE Avionics and Vehicle Fiber-Optics and Photonics Conference (AVFOP) Electronic ISBN: 978-1-7281-0609-0 Print on Demand(PoD) ISBN: 978-1-7281-0610-6 DOI:10.1109/AVFOP.2019.8908212 Publisher:IEEE Conference Location Arlington, VA, USA	2019

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Integration of FBG Optical Sensor Network in DWDM-PON Transmission System	Klinta Vilcane ; Rihards Murnieks ; Marina Aleksejeva ; Janis Braunfelds ; Ilya Lyashuk ; Vjaceslavs	Published in:Photonics & Electromagnetics Research Symposium - Fall (PIERS - Fall) Electronic ISBN: 978-1-7281-5304-9 Print on Demand(PoD) ISBN: 978-1-7281-5305-6 INSPEC Accession Number:19434742 DOI:10.1109/PIERS-Fall48861.2019.9021808 Publisher:IEEE Conference Location:Xiamen, China	2019
Bandwidth adjustment and spectral defragmentation for optical networking unit using four wave mixing spectral compression	Yuta Kaihori, Yu Yamasaki, and Tsuyoshi Konishi	OSA Publishing > Optics Express > Volume 28 > Issue 2 > Page 959 - 969	2019
Application of Phase-sensitive Fiber Optic Parametric Amplifier in Phase Modulated Signal Regeneration	Kaspars Zakis; Andis Supe	Published in:2019 Photonics & Electromagnetics Research Symposium - Fall (PIERS - Fall) Electronic ISBN: 978-1-7281-5304-9 Print on Demand(PoD) ISBN: 978-1-7281-5305-6 INSPEC Accession Number-19468588 DOI-10.1109/PIERS-Fall48861.2019.9021568 Publisher:IEEE Conference Location:Xiamen, China	2019
Performance Optimization of Carving Signal RZ-DQPSK Modulation Scheme	Divya Sharma,Vinit Jaiswal,Y. K. Prajapati,Rajeev Tripathi	Recent Trends in Communication, Computing, and Electronics pp 27-33 Web Reference : SpringerLink	2019
Comparison of Different Wavelength Propagations over Few-Mode Fiber based on Space Division Multiplexing in Conjunction with Electrical Equalization	aras Al-Dawoodi, A. Fareed, T. Masuda, A. Ghazi, A. M. Fakhrudeen, S. A. Aljunid, S. Z. S. Idrus, A. Amphawan	International Journal of Electronics and Telecommunications Vol 65, No 1	2019
Metric parameters of diffusion in destructive fillers automated networks	Surkov, G Ostapenko, V Belonozhkin and K Razinkin	Published 1 May 2019 • Published under licence by IOP Publishing Ltd IOP Conference Series: Materials Science and Engineering, Volume 537, Issue 5	2019
Analysis of Nonlinearities in Fiber while supporting 5G	F. Florance Selvabai, T. Vinoba, Dr. T. Sabapathi	International Research Journal of Engineering and Technology (IRJET) E-ISSN: 2395-0056 P-ISSN: 2395-0072 Volume: 06 Issue: 03 Mar 2019 www.irjet.net	2019
Comparative study of computer simulation software's	Fatemeh Fakhar	Journal of Artificial Intelligence in Electrical Engineering, Vol. 7, No. 29 ,June 2019	2019
Forward Error Correction Codes—Reed–Solomon and LDPC for OFDM Over the Optical Fiber Communication Systems	Usha Choudhary & Vijay Janyani	Optical and Wireless Technologies pp 281-288 Web Reference : SpringerLink	2019
Time Compression in Asymmetrically Clipped OFDM for Bandwidth Efficiency	Usha Choudhary ; Vijay Janyani	Published in:2019 IEEE Microwave Theory and Techniques in Wireless Communications (MTTW) Electronic ISBN: 978-1-7281-4473-3 Print ISBN: 978-1-7281-4472-6 Print on Demand(PoD) ISBN: 978-1-7281-4474-0 INSPEC Accession Number:19137098 DOI:10.1109/MTTW.2019.8897218 Publisher:IEEE Conference Location:Riga, Latvia	2019
Microring resonator-based photonic system for terahertz signal generation	Rohan Katti & Shanthi Prince	Photonic Network Communications volume 38, pages75–88(2019)	2019

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Suppression of Nonlinear XPM Phenomenon by Selection of Appropriate Transmit Power Levels in the DWDM System	Tomas Ivaniga and Petr Ivaniga	Research Article Open Access Volume 2019 Article ID 9357949 8 pages https://doi.org/10.1155/2019/9357949	2019
Investigation of Optical Signal Regeneration Impact on Power Efficiency of Single-line-rate and Mixed-line-rate Wavelength Division Multiplexing Systems	Deniss Pavlovs ; Vjaceslavs Bobrovs ; Klinta Vilcāne ,Riga Technical ; Girts Ivanovs	Published in:2019 Photonlcs & Electromagnetics Research Symposium - Spring (PIERS-Spring) Electronic ISBN: 978-1-7281-3403-1 (PoD) ISBN: 978-1-7281-3404-8 Electronic ISSN: 1559-9450 INSPEC Accession Number:19416738 DOI:10.1109/PIERS-Spring46901.2019.9017644 Publisher:IEEE Conference Location-Rome, Italy	2019
Quantum Cryptography and Simulation: Tools and Techniques	Shuangbao Wang, Matthew Rohde,Amjad Ali	ICCSP 2020: Proceedings of the 2020 4th International Conference on Cryptography, Security and PrivacyJanuary 2020 Pages:36–41 https://doi.org/10.1145/3377644.3377671	2019
Constant Runtime Integrated Microring-based Silicon Photonic Sorting Accelerator	N. S. Janosik ; X. Meng ; K. Bergman	Published in:2019 Photonics North (PN) Electronic ISBN: 978-1-7281-3738-4 (PoD) ISBN: 978-1-7281-3739-1 INSPEC Accession Number:19009960 DOI:10.1109/PN.2019.8819528 Publisher:IEEE Conference Location:Quebec City, QC, Canada	2019
Research on FBG-Based Sensor Networks and Their Coexistence with Fiber Optical Transmission Systems	Ugis Senkans ,Janis Braunfelds ,Ilya Lyashuk, Jurgis Porins,Sandis Spolitis and Vjaceslavs Bobrovs	Journal of Sensors Volume 2019 Article ID 6459387 13 pages	2019
Cyber-physical structural optimization using real-time hybrid simulation	Ruiyang Zhang,Brian M.Phillips,Pedro L.Fernandez-Caban,Forrest J.Masters	Engineering Structures Volume 195, 15 September 2019, Pages 113-124 Web Reference : ELSEVIER	2019
Unified Multi-channel Spectrum-sliced WDM-PON Transmission System with Embedded FBG Sensors Network	Janis Braunfelds ; Ugis Senkans ; Ilya Lyashuk ; Jurgis Porins ; Sandis Spolitis ; Vjaceslavs Bobrovs	Published in:2019 Photonlcs & Electromagnetics Research Symposium - Spring (PIERS-Spring) Electronic ISBN: 978-1-7281-3403-1 Print on Demand(PoD) ISBN: 978-1-7281-3404-8Electronic ISSN: 1559-9450 INSPEC Accession Number:19416642 DOI:10.1109/PIERS-Spring46901.2019.9017809 Publisher:IEEE Conference Location:Rome, Italy, Italy	2019
Analog Radio-over-fiber WDM-PON Architecture for 5G Millimeter-wave Interface	Toms Salgals ; Laura Skladova ; Jurgis Porins ; Vjaceslavs Bobrovs ; Sandis Spolitis	Published in :2019 Photonlcs & Electromagnetics Research Symposium - Spring (PIERS-Spring) Electronic ISBN: 978-1-7281-3403-1 (PoD) ISBN: 978-1-7281-3404-8 Electronic ISSN: 1559-9450 INSPEC Accession Number:19448233 DOI:10.1109/PIERS-Spring46901.2019.9017431 Publisher:IEEE Conference Location:Rome, Italy, Italy	2019
Mitigation of nonlinearities in fiber optic DWDM system	T.SabapathiR.Poovitha	Optik Volume 185, May 2019, Pages 657-664	2019

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Performance Analysis of Cost-efficient High-speed up to 32 Gbit/s WDM-PON Next-generation Access Network with Dispersion Compensation	Ambra Korra ; Toms Salgals ; Jurgis Porins ; Edgars Kazoks ; Rozeta Miho ; Sandis Spolitis	Published in:2019 Photonics & Electromagnetics Research Symposium - Spring (PIERS-Spring) Electronic ISBN: 978-1-7281-3403-1 (PoD) ISBN: 978-1-7281-3404-8 INSPEC Accession Number:19416606 DOI:10.1109/PIERSSpring46901.2019.9017854 Publisher:IEEE Conference Location:Rome, Italy, Italy	2019
Experimental validation of multiple gain combiner in single-relay cooperative FSO communication systems	Vineeta Dubey, Devi Chadha & Vinod Chandra	Photonic Network Communications volume 37, pages110–119(2019)	2019
Experimental demonstration of a PAM-4 based 20 Gb/s PON using dispersion pre-compensation	German V. Arevalo; Marco Villavicencio ; Gladys Flores	Published in : 2019 XVIII Workshop on Information Processing and Control (RPIC) INSPEC Accession Number:19082951 DOI:10.1109/RPIC.2019.8882165 Publisher:IEEE Conference Location Bahía Blanca, Argentina, Argentina	2019
SI Analysis of Electro-Optic Interconnects for Next Generation SerDes in WLP-SiP	Yu-Sheng Lin ; Ruey-Beei Wu	Published in:Electrical Design of Advanced Packaging and Systems (EDAPS) Electronic ISBN: 978-1-7281-2432-2 USB ISBN: 978-1-7281-2431-5 (PoD) ISBN: 978-1-7281-2433-9 Electronic ISSN: 2151-1233 Print on Demand(PoD) ISSN: 2151-1225 INSPEC Accession Number:19446550 DOI:10.1109/EDAPS47854.2019.9011665 Publisher:IEEE Conference Location:KAOHSIUNG, Taiwan	2019
Time-Efficient Photonic Variability Simulator for Uncertainty Quantification of Photonic Integrated Circuit	Aneek E. James Department of Electrical Engineering, Columbia University, New York, NY, 10027, USA ; Xiang Meng ; Alexander Gazman ; Natalie Janosik ; Keren Bergman	Published in: 2019 IEEE Optical Interconnects Conference (OI) Electronic ISBN: 978-1-7281-1496-5 Print on Demand(PoD) ISBN: 978-1-5386-8363-7 INSPEC Accession Number:18673726 DOI:10.1109/OIC.2019.8714329 Publisher: IEEE Conference Location: Santa Fe, NM, USA, USA	2019
Electronic/Photonic Design Automation (EPDA) for InP-Photonic Integrated Circuit Process Design Kit	Yuchun Zhou, Ashish Bhardwaj, John Mason, Wai Leong, Shawn Luna, Stefan Wolf, Thomas Vallaitis, Adam James, Pablo Mena, Enrico Ghillino, Rob Scarmozzino, Gloria E. Hoefler, and Fred Kish	OSA Advanced Photonics Congress (AP) 2019 (IPR, Networks, NOMA, SPPCom, PVLED) OSA Technical Digest (Optical Society of America, 2019), paper IM3A.3	2019
A Case Study of Free Space Optic Performance	Mohd Jaya Abdullah, Abu Samah Supa'at, Abu Bakar Mohamad, Muhammad Ridwanto	Trends in Opto-Electro & Optical Communications Vol 1, No 1-3	2019
Experimental validation of multiple gain combiner in single-relay cooperative FSO communication systems	Vineeta Dubey, Devi Chada, Vinod Chandra	Photonic Network Communications ISSN: 1387-974X (Print) 1572-8188 (Online) VOL. 37, Issue 1, FEB 2019, Pages 110–119	2019

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All-optical 2R-regeneration and continuous wave to pulsed signal wavelength conversion based on fiber nonlinearity	Jawad Mirza, Salman Ghafoor, Ashiq Hussain	Optical and Quantum Electronics ISSN:0306-8919(Print), 1572-817X(Online) OSA, VOL. 50, Issue 10, OCT. 2018, Articles 357-382	2018
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