

Le Nguyen Binh's R&D PUBLICATIONS

Publications 2003-2009

Year	No.	AUTHORS	TITLE	DETAILS
BOOK AND BOOK CHAPTERS				
2009	1.	LE NGUYEN BINH, NGO Quoc Nam	BOOK: ULTRA-SHORT PULSE FIBER LASERS	CRC Press, Taylors and Francis Group, Florida, USA, Contracted 2008. Expected publication, November 2009.
2009	2.	LE NGUYEN BINH	BOOK: OPTICAL FIBER COMMUNICATIONS SYSTEMS: Principles, Practices and MATLAB Simulink Models	CRC Press, Taylors and Francis Group, 2009 Contracted. May 2009
2008	3.	Le Nguyen BINH	BOOK: DIGITAL OPTICAL COMMUNICATIONS	Publisher: CRC Press, Taylor and Francis Group, Florida USA, In Press. Transmitted to printing May3 2008. 624 pages. Availability Nov 21, 2008. • ISBN-10: 1420082051 and • ISBN-13: 978-1420082050
2008	4.	LN Binh, WJ Lai and N. Nguyen	Nonlinear Mode-locked Fiber Lasers	Progress in Nonlinear Optics Research, Book Chapter, Editors Miyu Takahashi and Hina Gotô, Nova Science Publishers Inc, USA , 2008 (3 rd Quarter) https://www.novapublishers.com/catalog/product_info.php?products_id=7311 .
2007	5.	L.N. Binh	BOOK: PHOTONIC SIGNAL PROCESSING: TECHNIQUES AND APPLICATIONS	Publisher: CRC Press – Taylors and Francis Group FL, USA – November 2007. ISBN – 10 0849337623 and ISBN-13 978-0849337628.
EDITORSHIP				
2004	6.	L.N. Binh and P Shum	PROCEEDINGS OF NTRC RESEARCH FORUM ON OPTICAL NETWORKING TECHNOLOGY”,	Proceedings 2004
2009	7.	L.N Binh and Catherine Giacari	CRC PRESS SERIES ON OPTICS AND PHOTONICS	Series on Optics and Photonics
JOURNAL AND CONFERENCE PAPERS (SUBMITTED)				
2009	1.	Le Nguyen Binh and Tran Nhut Khai Hoan	Wavelength Re-Generation and Re-Modulation using Optical Phase Lock Loop Techniques For 100Gb/s DQPSK Up-Stream Transmission in DWDM Passive Optical Networks	Photonic Networks Communications, submitted April 21, 2009
2009	2.	Le Nguyen Binh, WennJing Lai and Nhan D Nguyen	Nonlinear Photonic Fiber Ring Lasers: stability, harmonic detuning, temporal diffraction and multi-bound states	Progress in Quantum Electronics, submitted April 9,2009

2009	3.	Le Nguyen Binh, WennJing Lai and Nhan D Nguyen	Nonlinear Photonic Fiber Ring Lasers: stability, harmonic detuning, temporal diffraction and multi-bound states	Invited paper, International Conf. Optical Comm. Networks, Beijing, Nov 2009
2009	4.	Le Nguyen Binh and Nhan Duc Nguyen	Dynamics of Multi-bound Solitons in Propagation in Single Mode Optical Fibers	Manuscript ID: 109703 Journal of Optical Soc America B, submitted 5 April 2009.
2009	5.	Le Nguyen Binh, Wenn Jing Lai and Nhan Nguyen	Nonlinear Photonic Fiber Ring Lasers: Stability, Harmonic Detuning, Temporal Diffraction and Multi-Bound States	Submitted to Progresses in Quantum Electronics, March 18 2009
2009	6.	Le Nguyen Binh, Trung T Nguyen and Martin Firus	40x40G CSRZ-DPSK Transmission Over 1994Km of 240 km hut-skipped hybrid distributed Raman and Er:doped fiber lumped optically amplified spans: Simulation	Submitted to Optics Communications March 12, 2009.
2009	7.	Le Nguyen Binh	Matlab Simulink Modeling of Raman Amplification and Integration in Advanced modulation formats for Long-Haul Optical fiber Transmission Systems	Submitted to Opt Eng. , Jan 2009
2009	8.	LN Binh, Le Huu Binh and Vo Thanh Tu	Channel survivability in IP over DWDM All-optical Networks Under Hop Residual Dispersion Effects	Submitted to IEEE Trans. Networking, Dec2008
JOURNAL PAPERS (PUBLISHED or INPRESS)				
2009	1.	Le Nguyen Binh	On The Linear and Nonlinear Transfer Functions of Single Mode Fiber for Optical Transmission Systems	Journal of Optical Society of America A, Minor Revised 22 April 2009 – to be accepted.
2009	2.	Le Nguyen Binh	Tunable Photonic Filters: A Digital Signal Processing Design Approach	Applied Optics, Revised, Vol. 48, No 16, 1 June 2009, pp. 1-12.
2009	3.	L.N. Binh	A Wideband Balanced Receiver With Noise Suppression For Coherent Optical Communications	Optical and Quantum Electronics, April 2009. Revised submitted for publication. Vol. 40, No. 11, 2009.
2009	4.	L.N. Binh	Acousto-optic Tunable Wavelength and Selective Packet Filter by Simultaneous Launching of Acousto-optic Waves of Different Frequency for TE-TM Mode conversion in Diffused Optical and Acoustic Waveguides	Optical Engineering, Vol. 48, No. 5, Issue: May 2009.
2009	5.	L.N. Binh	Uncertainty Aspects of Coherent and Direct Detection of ASK and Continuous Phase FSK In Optical Fiber Transmission	Optical Engineering, Vol. 48, No. 5, Issue: April 2009
2009	6.	L.N. Binh, Le H Binh and Vo T. Tu	Routing and Wavelength Assignment and Survivability of Optical Channels in Ultra-high Speed IP over DWDM Networks Under Constraints of Residual Dispersion and Nonlinear Effects	International Journal of Computer Sciences and Network Security, vol. 4, Jan 30, 2009, pp. 49-57.
2009	7.	LN Binh and ND Nguyen	Generation of High-order Multi-bound-Solitons and Propagation in Optical Fibers	Optics Communications, vol. 282 (2009) , pp. 2394–2406
2009	8.	Le Nguyen Binh	Generation of Multi-level Amplitude-Differential Phase Shift Keying Modulation Formats Using Only One	Optical Engineering, Vol. 48, No. 5, Issue: April 2008.

			Dual-Drive Mach-Zehnder Interferometric Optical Modulator	
2009	9.	Le Nguyen Binh	MATLAB Simulink Simulation Platform for Photonic Transmission Systems	International Journal of Communications, Network and System Sciences (IJCNS). Accepted. In press, 2009. Paper ID: 970038
2009	10.	Le Nguyen Binh	Dual-Ring 16-Star QAM Direct and Coherent Detection in 100 Gb/s Optically Amplified Fiber Transmission: Simulation.	Optical and Quantum Electronics; Vol. 40, No. 10 (2009), pp. 707-727. Published online: 27 December 2008 at http://www.springerlink.com/content/j14175587u541878/
2008	11.	Le Nguyen Binh	DWDM VSB modulation-format optical transmission: Effects of optical filtering and electrical equalization	Optics Communications Vol. 281, No. 19, 1 October 2008, Pages 4862-4869
2008	12.	Le Nguyen Binh	Optical Transmission of Variable Pulse Width Alternating Phase DuoB Modulation: MATLAB Simulink Simulation and Comparison with Carrier Suppressed RZ ASK Experimental Transmission	Opt. Eng. (Journal), Section: Fiber optics and optical communications, Vol. 47, No.11,115004,(2008)
2008	13.	TL Huynh LN Binh and Nhan Nguyen	Fast-Processing Statistical Methods for Measurement of BER in Optical Fiber Communications Systems	Optics Communications, 2008 Vol. 281, No.10 pp 2750-2754
2008	14.	Le Nguyen Binh	Single and Dual-level minimum shift keying optical transmission systems	IEEE Journal of Lightwave Technology, vol. 26, No. 18, Sept. 2008, pp. 3234-3247.
2008	15.	Le Nguyen Binh	Routing and Wavelength Assignment in GMPLS-based 10 Gb/s Ethernet Long Haul Optical Networks under Linear Dispersion Effects	International Journal of Communications, Network and System Sciences (IJCNS) , Vol. 2, 2008.
2008	16.	Le Nguyen Binh	Multi-amplitude minimum shift keying modulation formats for optical communications	Optics Communications, vol. 281, No. 17, 2008, pp. 4245-4253.
2008	17.	LN Binh and TL Huynh, KK Pang and Thiru Sivahumara	MLSE Equalizers for Frequency Discrimination Receiver of MSK Optical Transmission Systems	IEEE Journal of Lightwave Technology, Vol.26, No 12, June15, 2008, pp. 1586-1595.
2008	18.	LN Binh and TL Huynh, KK Pang	Direct Detection Frequency Discrimination Optical Receiver for Minimum Shift Keying Format Transmission	IEEE Journal of Lightwave Technology, Vol. 26, Issue 18, Sept.15, 2008 pp.3234 - 3247
2008	19.	Le Nguyen Binh and Nhan Nguyen	Generation of Bound-Solitons in Actively Phase Modulation Mode-Locked Fiber Ring Resonators	Optics Communications Volume 281, Issue 8, 15 April 2008, Pages 2012-2022
2007	20.	Nam Quoc Ngo, and Le Nguyen Binh	New approach for the design of an optical square pulse generator	Applied Optics , Vol. 46, No. 17, 10 June 2007, pp. 3546-3560
2007	21.	L.N. Binh, T.L. Huynh,	Linear and nonlinear distortion effects in direct detection 40 Gb/s MSK modulation formats multi-span optically amplified transmission	Optics Communications, Vol. 273, 2007, pp. 352–361.
2007	22.	Huy Quoc Lam, P. Shum, Le Nguyen Binh, Y. D. Gong, and	Dual Orthogonal Polarization States in an Active Mode-Locked Birefringent Fiber Ring Laser	IEEE Photonics Tech. Letters, Vol. 19, No. 9, May 1, 2007, pp.635-638.

		Ming Tang		
2007	23.	L.N. Binh	Electronic and Photonic Processing in Advanced Photonic Long-Haul Transmission	Radio Science Bulletin , vol. 321, June 2007, pp. 37-53.
2007	24.	Nam Quoc Ngo, Rui Tao Zheng, J. H. Ng, S. C. Tjin, and L. N. Binh	Optimization of Fiber Bragg Gratings Using a Hybrid Optimization Algorithm	IEEE Journal of Lightwave Technology , Vol. 25, No. 3, March 2007, pp. 700-802.
2007	25.	Huy Quoc Lam, P. Shum, Le Nguyen Binh, Y. D. Gong, and Ming Tang,	Series Analysis of Active Mode-Locked Laser under the Influence of ASE Noise	IEEE Journal of Lightwave Technology , vol. 26, No 12, June 2008.
2006	26.	N.Q Ngo and L.N. Binh	Synthesis of tunable optical waveguide filters using digital signal processing technique	IEEE Journal of Lightwave Technology , Vol. 24, No.1, pp. 563-572, June 2006.
2006	27.	R. T. Zheng, N. Q. Ngo, L. N. Binh, S. C. Tjin, and P. Shum	An Optimization Technique for Simple Reconstruction of the Index Modulation Profile of Symmetric Fiber Bragg Gratings from their Reflective Spectrum	Optical Engineering , vol. 45, No.1, June 2006.
2006	28.	N. Q. Ngo, S. Y. Li, L. N. Binh, and S. C. Tjin	A Phase-Shifted Linearly Chirped Fiber Bragg Grating with Tunable Bandwidth	Optics Communications , vol. 206, No. 2, April 2006, pp. 435-441
2006	29.	Binh, L.N.	Lithium niobate optical modulators: Devices and Applications	Journal of Crystal Growth , vol. 288, 2006, pp.180-187.
2006	30.	Ngo, QN and Binh, LN.	Synthesis of Tunable Optical Waveguide Filters Using Digital Signal Processing Technique	IEEE Journal of Lightwave Technology , vol.24, No.9, 2006, pp.3520-3531.
2006	31.	Ngo, QN and Binh, LN.	Optical Realization of Newton-Cotes-Based Integrators for Dark Soliton Generation	IEEE Journal of Lightwave Technology , vol. 24, No.1, 2006, pp. 563-572
2006	32.	Huy Quoc Lam, P. Shum, Le Nguyen Binh, and Y. D. Gong	Polarization-Dependent Locking in SOA Harmonic Mode-Locked Fiber Laser.	IEEE Photonics Technology Letters , Vol. 18, No. 22, Nov. 15, 2006, pp.2404-2407.
2005	33.	Lai, W.J.; Shum, P.; Binh, L.N.	NOLM-NALM fiber ring laser	IEEE Journal of Quantum Electronics , Vol. 41, No. 7, July 2005 Pages 986 – 993.
2005	34.	Wenn Jing Lai; Ping Shum; Binh, L.N.; Karlsson, M.	Phase-plane analysis of rational harmonic mode-locking in an erbium-doped fiber ring laser	IEEE Journal of Quantum Electronics , Volume 41, Issue 3, March 2005, Page(s):426 - 433
2005	35.	Huy Quoc Lam, LN Binh, John Q. N. Ngo and Ping Shum	Locking of ultra-high peak pulses in harmonically mode-locked Erbium-doped fiber ring lasers	Optical Engineering , December 2005, Volume 44, Issue 12, 124201
2005	36.	H.Q. Lam, L.N. Binh, John Q.N. Ngo and Ping. Shum	Observation of locking of ultra-high peak pulses in harmonically mode-locked Erbium doped fibre ring laser	Optical Engineering , Vol. 44, Issue 12, Dec 2005.
2005	37.	N. Q. Ngo, Duan Liu, X.Y. Dong, L. N. Binh, S. C.	A spacing tunable multi-wavelength fiber laser source with a Sagnac loop filter	Optical Engineering , Vol. 44, No. 1, 014202-1 to 014202-5, Jan. 2005

		Tjin, and S. Y. Li		
2005	38.	Zheng R.; Ngo N.; Shum P.; Tjin, S.; Binh L.N.	A Staged Continuous Tabu Search Algorithm for the Global Optimization and its Applications to the Design of Fiber Bragg Gratings	Computational Optimization and Applications , Vol. 30, No. 3, March 2005, pages 319-335.
2004	39.	R. T. Zheng, N. Q. Ngo, L.N. Binh, S. C. Tjin, and J. L. Yang	Nonlinear group delay using asymmetric chirped gratings written in fibers under pre-stretched conditions	Optics Communications , vol. 242, 2004, pp. 259-265.
2004	40.	S. Y. Li, N. Q. Ngo, S. C. Tjin, and L.N. Binh	Tunable and switchable optical bandpass filters using a single linearly chirped fiber Bragg grating	Optics Communications , vol. 239, 2004, pp. 339-344,
2004	41.	W.J. Lai, P. Shum and L.N. Binh	Stability and transient analysis of temporal Talbot effect based repetition rate multiplication mode-locked laser systems	IEEE Photonics Technology Letters , Vol. 16, No.2, pp. 437-439, 2004
		Binh;	Design of dispersion flattened and compensating fibers for dispersion managed optical communications systems	International Journal on Wireless and Optical Communications , Vol.2, No:1, Year:2004, pp.63-82
REFEREED CONFERENCE PAPERS				
2009	1.	Rex Moncur, P. Edwards, L.N. Binh	Non-Line-of-Sight Cloud-Scatter Communication	Proc. CLEO/IQEC 2009, Baltimore, USA, 31 May to 4 June 2009, paper CMO1, pp. 1-2
2009	2.	Le N Binh and Nhan D Nguyen	Active Multi-bound Soliton Lasers: Generation of Dual to Sextuple States	Optical Fiber Communications OFC 2009, paper OWB1, pages 1-3, San Diego, March 22-26, 2009.
2009	3.	Nhan D Nguyen, Le N Binh and Khee K Pang	Propagation of Multi-bound Soliton States in Optical Fibers	Optical Fiber Communications OFC 2009, paper OWN2, pages 1-2, San Diego, March 22-26, 2009.
2009	4.	ND Nguyen, L.N. Binh	Solitonic Interactions in Actively Multi-bound Soliton Fiber Lasers	Proc. CLEO/IQEC 2009, Baltimore, USA, 31 May to 4 June 2009, Paper CJThE69.
2008	5.	Le N. Binh, Nhan D. Nguyen, Thanh L. Huynh, Huy Q. Lam	Multi-Bound Solitons in a FM Mode-Locked Fiber Laser	OFC/NFOEC 2008 in San Diego, California, USA, Session title: OThF - Fiber Lasers I, Paper no.: OThF4, March 2008
2008	6.	Huy Q. Lam, P. Shum, Le Nguyen Binh, Y. D. Gong, Fu Songnian, Ming Tang	Electrically Wavelength Tunable Active Mode-Locked Fiber Laser Using a Phase Modulator as Both Mode Locker and Wavelength Selector	OFC/NFOEC 2008 in San Diego, California, USA, Session title: JWA19, 2008
2008	7.	Le Huu Binh, Le Nguyen Binh and Vo Thanh Tu	Hop and Bandwidth Integrated Routing For Optical Ethernet Networks Under Constraints of Dispersion Effects	International Conf. on Optical Communications networks, Singapore, IEEE Global Photonics 2008, Dec2008.
2008	8.	Le Nguyen Binh	Electronic Equalization of Modulation Formats for Optical Communications (Invited Paper)	Proc. International Conf. on Optical Communications networks, IEEE Global Photonics 2008, Singapore, Dec2008.

2007	9.	H. Q. Lam, P. Shum, L. N. Binh, Y. D. Gong, and S. N. Fu,	Mathematical series for analysis of detuned active mode locked	Passive Components and Fiber-Based Devices IV, Pts 1 and 2, vol. 6781, pp. D7813-D7813, 2007.
2007	10.	Lam, Huy Quoc; Shum, P.; Le Nguyen Binh; Gong, Y.D.;	Polarization Switching in an Active Harmonic Mode Locked Fiber Laser	Joint International Conference on Optical Internet, 2007 and the 2007 32nd Australian Conference on Optical Fibre Technology. COIN-ACOFT 2007.
2007	11.	T. L. Huynh, T. Sivahumaran, L. N. Binh, and K. K. Pang	Narrowband Frequency Discrimination Receiver for High Dispersion Tolerance Optical MSK Systems	Proc. of COIN-ACOFT International Conference, paper TuA1-3, Melbourne, Australia, June 2007.
2007	12.	T. L. Huynh, T. Sivahumaran, L. N. Binh, and K. K. Pang	Sensitivity Improvement with Offset Filtering in Optical MSK Narrowband Frequency Discrimination Receiver	Proc. of COIN-ACOFT International Conference, paper TuA1-5, Melbourne Australia, June 2007.
2007	13.	L. N. Binh and T. L. Huynh,	Phase-Modulated Hybrid 40Gb/s and 10Gb/s DPSK DWDM Long-Haul Optical Transmission	Proc. of OFC/NFOEC'07, paper JWA94, Anaheim, CA, March 25-29, 2007, pp. 1-11.
2007	14.	T. Sivahumaran, T. L. Huynh, K. K. Pang, and L. N. Binh	Non-linear Equalizers in Narrowband Filter Receiver achieving 950 ps/nm Residual Dispersion Tolerance for 40Gb/s Optical MSK Transmission Systems	Proc. of OFC/NFOEC'07, paper OThK3, Anaheim, CA, March 25-29, 2007, pp1-3.
2007	15.	HQ Lam, P Shum, LN Binh and YD Gong	Mathematical series for analysis of detuned active mode locked lasers	Proceedings of the Asia Pacific Optical Communications Conference, 1-5 November 2007, Wuhan, China.
2007	16.	HQ Lam, P Shum, LN Binh, YD Wong, M Tan and S. Fu	Pulse dropout and sub-harmonic locking in an active mode-locked birefringent fiber laser	Proc. 16 th International Conf. on Integrated Optics and Optical Fiber Communications and 12 th Optoelectronics and Communications Conf., Paper 13C4-4, OECC/IOOC 2007, Yakohama, Japan.
2007	17.	HQ Lam, P Shum, LN Binh and YD Gong.	Series analysis of Signal to Noise Ratio (SNR) in active mode-locked lasers	International Conference on Wireless and Optical Communications Networks, 2007.WOCN'07.IFIP Singapore, 2-4 July 2007 Page(s):1 - 5
2007	18.	HQ Lam, P Shum, LN Binh and YD Gong.	Polarization Switching in an Active Harmonic Mode Locked Fiber Laser	Conf. on Optical Internet COIN-ACOFT, Melbourne, June 24-26 2007.
2007	19.	T. L. Huynh, T. Sivahumaran, L. N. Binh, K. K. Pang	Simulation Results on Transmission of 10Gb/s Optical MSK System with Narrowband Frequency Discrimination Receiver over 560 km Standard Single Mode Fiber without Dispersion Compensation	Proc. 16 th International Conf. on Integrated Optics and Optical Fiber Communications and 12 th Optoelectronics and Communications Conf., Paper 12P-10, OECC/IOOC 2007, Yokohama, Japan.
2007	20.	N D Nguyen, L N Binh, K K Pang, T Vo, T L Huynh	Temporal Imaging and Optical Repetition Multiplication via Quadratic Phase Modulation	Sixth International Conf. Information, Communication and Signal Processing, ICICS'07, Singapore, Dec 2007, paper Tu3.6.5
2007	21.	T. L. Huynh, L. N. Binh, T. Sivahumaran,	MLSE Equalizer for incoherent Optical MSK Systems based on Optical Frequency Discrimination	Sixth International Conf. Information, Communication and Signal Processing, ICICS'07, Singapore, Dec 2007, Paper

		K.K.Pang, and N. D. Nguyen,	Detection	TU3.6.2.
2006	22.	H. Q. Lam, P. Shum, L.N. Binh , Y.D. Gong,	8 ps Pulse From a Dual Locking Range Active Mode-Locked Fiber Laser	Fifth International Conference on Optical Communications and Networks (ICOCN2006), ChengDu, China, 2006
2006	23.	H. Q. Lam, P. Shum, L. N. Binh , and Y. D. Gong,	Dual locking modes in a weakly birefringent ring active mode locked fiber laser	Passive Components and Fiber-Based Devices <i>Iii, Pts 1 and 2</i> , vol. 6351, pp. U707-U714, 2006.
2006	24.	Huynh, TL and Binh , LN.	Optical MSK long-haul Transmission Systems	Proceeding of SPIE Vol. 6353, 6353-29, (2006), page 29-1-29-10
2006	25.	Binh , LN., Huynh TL. and Lam, QH.	Optical filtering effects in hybrid 40Gb/s and 10Gb/s DPSK DWDM long-haul optical transmission	Proceeding of SPIE Vol. 6353, 6353-18, (2006), page 18-1-18-11.
	26.			
2006	27.	Binh , LN.	Variable pulse width alternating phase duobinary modulation optical transmission	Proceeding of SPIE Vol. 6353, 6353-26, (2006), page 26-1-26-12.
2006	28.	Tran, DD, Binh ,LN and Huynh, TL.	Multi-level amplitude-differential phase shift keying (MADPSK) modulation formats for long-haul optical transmission systems	Proceeding of SPIE Vol. 6353, 6353-37, (2006), page 37-1-37-11.
2006	29.	Lam, QH, Binh LN., Shum P. and Gong Y.	Dual Locking Modes in a Weakly Birefringent Ring Active Mode Locked Fiber Laser	Proceeding of SPIE Vol. 6355, 6355-11, (2006), page T1-T8.
2006	30.	Lam, QH, Binh LN., Shum P. and Gong Y.	Photonic Fiber Ring Lasers: Experimental Demonstration and Analytical Studies of Harmonic Detuning, Temporal Diffraction, Ultra-high Stability	Proceeding of SPIE Vol. 6353, 6351-05, (2006), page 6351-05-1-12
2006	31.	Binh , LN, Huynh TL., Chan , L., Pang, KK.	Photonic MSK Transmitter Models Using Linear and Non-Linear Phase Shaping for non-coherent Long-haul Optical Transmission	Proceeding of SPIE Vol. 6353, 6353-28, (2006), page 6353-28-1 to 6353-2812
2006	32.	Binh ,LN.	Electronic and Photonic Processing in Advanced Photonic Long-Haul Transmission (Invited)	Proceedings of Workshop on Application of Radio Science WARS'06, Leura, NSW., Feb 2006, 12 pages.
2006	33.	Tran, DD, Binh LN., and Huynh TL.	Simulation of a novel photonic transmission system using M-ary amplitude phase differential shift keying modulation format	Proceedings of Workshop on Application of Radio Science WARS'06, Leura, NSW, Feb 2006, 6 pages.
2006	34.	Binh , LN, Lam QH., Huynh TL., Tran DD.	Phase and amplitude modulation formats or hybrid 40G and 10Gb/s DWDM photonic long haul transmission.	Proceedings of Workshop on Application of Radio Science WARS'06, Leura, NSW, Feb 2006, 5 pages.
2005	35.	Beng Tiam Saw, H. O. Moser, Jong R. Kong, S. bin Mahmood, L.N. Binh , O. Wilhelmi	Fabrication of High Aspect Ratio Near Infrared Photonic Band-gap Structures Using Deep X-ray Lithography	Proceedings of International Conference on Advanced Materials and Technology, Symposium M: Photonic Devices and Applications, Paper MA-3- or-13 , July 2005, Singapore
2005	36.	Liu D., Ngo Q.N. and L.N. Binh ,	A spacing tuneable multi-wavelength fiber laser source using a Sagnac loop filter	Ninth International Conference on Communication Systems, Singapore, September 2005.

2005	37.	Tran D.D., Binh L.N., Huynh T.L., and Tiong H.S	Geometrical and Phasor Representation of Multi-level Amplitude-Phase Modulation Formats and Photonic Transmitter Structures	Proceeding of IEEE TENCON, Melbourne Australia, 21-24 Nov. 2005, Pages 34-39.
2005	38.	Huynh T.L., Binh L.N., and Lam Q.H., and Tran D.T	Long-haul ASK and DPSK Optical Fibre Transmission Systems: Simulink Modelling and Experimental Demonstration Test-Beds	Proceeding of the IEEE TENCON, Melbourne Australia, 21-24 Nov. 2005, pages 46-52.
2005	39.	Liu D.; Ngo N. Q.; Dong X. Y.; Grattan K. T. V.; Sun T.; Binh L. N.; Tjin S. C.; Li S. Y	A tuneable multi-wavelength fiber laser source with an elliptical-core fiber Sagnac loop filter	Proceedings- SPIE The International Society for Optical Engineering, Vol. 5623, No 2, page 910 -918, 2005
2005	40.	Le Nguyen Binh	Lithium Niobate Optical Modulators: Devices and Applications (Invited Paper)	Proc. 3 rd International Conference on Advanced Materials Technology, Symposium M, Singapore, July 2005, paper MA-7-IN10.
2005	41.	L.N. Binh , H.S. Tiong, T.L. Huynh, D.D. Tran, C.L. Tiong, H.S. Lau, H.H. Tiong, S. Cheung, (Invited Paper)	Simulink Models for Advanced Modulation Format Optical Fibre Transmission'	Proc. International Conference on Optical Communications Networks, Bangkok, Thailand, December 2005, Page 406-409
2005	42.	L.N. Binh and C. H. Li	Matlab TM SimuLink Models of Fibre Optical Amplifiers	Proceedings of the International Conference on Optical Communications Networks, Bangkok, Thailand, December 2005, Pages 410-413.
2005	43.	L.N. Binh , T.L. Huynh and Q.H. Lam	Improving Dispersion Tolerance of 40Gb/s Phase Modulation Optical Fiber Transmission Systems Using in-line Optical Filters, (Invited Paper)	Proceedings of the International Conference on Optical Communications Networks, Bangkok, Thailand, December 2005, Pages 81-84.
2005	44.	Lam Quoc Huy, Le Nguyen Binh , Shum Ping, Ngo Quoc Nam	Mode-locked Fibre Ring Laser: implementation and Characterization	Proceedings of the International Conference on Optical Communications Networks, Bangkok, Thailand, December 2005, Pages 77-80.
2005	45.	L. N. Binh , H.Q. Lam and T.L. Huynh	Optical Filtering Effects in Phase-modulation Hybrid 40G and 10G DWDM Transmission, (Invited Paper)	Proceedings of the International Conference on Optical Communications Networks, Bangkok, Thailand, December 2005, pages 85-88.
2004	46.	Duan Liu, Hui Dong, Nam QUoc Ngo, Sin Yong Dong, Le Nguyen Binh and Swee Chuan Tjin	A spacing Tunable Multi-wavelength Fiber Laser Using a Sagnac Loop Filter	Proc. Third International Conf. Optical Networks, ICOCN2004, Hong Kong, Session: Optical Sources I, 2004,

2004	47.	P. Kemeny and LN Binh	Device Processing Applications of Synchrotron Radiation (invited paper).	<u>Conference on Optoelectronic and Microelectronic Materials and Devices (COMMAD 2004), The University of Queensland, 8-10 December 2004, Brisbane, Australia.</u>
2004	48.	W.J. Lai, P. Shum and L.N. Binh	Bifurcations in an AM NOLM-NALM Fiber Ring Laser	Proc. 3rd International Conf. on Optical Communications and Networks, Hong Kong, 2004, Session: Optical Sources I.
2004	49.	P. Kemeny and LN Binh	Photonics Applications of Synchrotron Radiation" (Invited paper)	Proc. Australian Conf. Optical Fibre Technology, ACOFT'04, Canberra, June 2004.
2004	50.	A. Mitchell, M.W. Austin, P.J. Edwards, L.N. Binh , L.A. Bui, S. Mansoori, W.J. Lai,	Ultra-broadband shortwave polarization modulators for high-speed free-space quantum cryptography	Proc. SPIE, vol. 5161, pp. 66-75 (2004).
2003	51.	W.J. Lai, L.N. Binh , P. Shum and Y.D. Gong	Ultra-stable multi-giga-pulses/sec fiber mode-locked generator	Proc. 2nd Conference on Optical Internet & 28th Australian Conference on Optical Fiber Technology, COIN/ACOFT, PO1-1.3, 2003
	52.			
2003	53.	W.J. Lai, P. Shum, L.N. Binh and N.Q. Ngo	Stability analysis of multiplied repetition rate laser systems	Proc. 2nd International Conference on Optical Communications and Networks, ICOCN 2003, 3A-2021, 2003
2003	54.	Le N. Binh , Hoang Minh Nguyen, Wu Zheng, C. Cieutat, A. Sekercioglu	Modeling of wavelength routing and assignment in GMP λ S-based DWDM optical networks	Proc. Aust. Conf. Opt. Fibre Technology, Melbourne, July 2003.
2003	55.	W.J. Lai, P. Shum and L.N. Binh ,	Stability Analysis of Multiplied Repetition Rate Laser Systems	Proc. Int. Conf. Optical Communications Networks, Bangalore, India October 2003.
2003	56.	L.N. Binh	Modulation Formats for Long-haul 40 Gb/s DWDM Fibre Optic Communication Systems	Proc. Conf. Opt. Internet and Aust. Conf. Opt. Fibre Technology, Melbourne, July 2003.
2003	57.	L.N. Binh	Ultra-stable fibre mode-locked lasers at 10GHz and 40GHz repetition rate	Proc. Photonics West, San Jose, USA, Feb. 2003