

2010 Photonics Global Conference

(PGC 2010)

**Orchard, Singapore
14 – 16 December 2010**



IEEE Catalog Number: CFP1027F-PRT
ISBN: 978-1-4244-9882-6

TABLE OF CONTENTS

SAGNAC INTERFEROMETER BASED ON LOW-BIREFRINGENCE PHOTONIC CRYSTAL FIBER FOR STRAIN MEASUREMENT	1
<i>H. Gong, C. Chan, Y. Jin, X. Dong</i>	
REDUCTION OF FOUR-WAVE-MIXING IN FSK FDM LIGHTWAVE TRANSMISSION SYSTEMS BY ASYMMETRIC REPEATED UNEQUALLY SPACED FREQUENCY ALLOCATIONS.....	4
<i>T. Tamo, T. Numai</i>	
ULTRA-FAST ALL-OPTICAL INTEGRATED DIFFERENTIATORS IN BRAGG GRATINGS.....	7
<i>K. Rutkowska, D. Duchesne, M. Strain, R. Morandotti, M. Sorel, J. Azana</i>	
EFFECT OF ACTIVE MEDIUM INHOMOGENEITY ON LASING CHARACTERISTICS OF INAS/INP QUANTUM-DASH LASERS	11
<i>Z. Khan, T. Ng, U. Schwingenschlogl, B. Ooi</i>	
INVERSE-GAUSSIAN APODIZED FIBER BRAGG GRATING FOR MICROWAVE GENERATION	14
<i>B. Lin, S. Tjin, H. Zhang, D. Tang, S. Liang, J. Hao, B. Dong</i>	
INVESTIGATION OF WAVELENGTH CONVERSION BY COHERENT ANTI-STOKES RAMAN SCATTERING (CARS) IN CHALCOGENIDE WAVEGUIDES.....	17
<i>Y. Huang, P. Shum, F. Luan, M. Tang</i>	
PASSIVE MODE-LOCKED FIBER RING LASER	22
<i>X. Jin, W. Haur, W. Kan</i>	
PERFORMANCE OF OPMDC PROTOTYPE IN A 43GB/S RZDQPSK, 1200KM DWDM TRANSMISSION SYSTEM	25
<i>X. Zhang, X. Weng, F. Tian, W. Zhang, Y. Zhang, L. Xi, G. Zhang, Q. Xiong</i>	
THIN POROUS SILICON FABRICATED BY ELECTROCHEMICAL ETCHING IN NOVEL AMMONIUM FLUORIDE SOLUTION FOR OPTOELECTRONIC APPLICATIONS	29
<i>A. Hubarevich, H. Yu, F. Wang, X. Sun, A. Smirnov</i>	
INTEGRATION OF SI/SIO₂ MULTILAYER GRIN LENS OPTICAL MODE-SIZE CONVERTER ON SOI-BASED WAVEGUIDES	32
<i>T. Loh, Q. Wang, K. Ng, Y. Lai, Y. Huang, S. Ho</i>	
TEMPERATURE INSENSITIVE REFRACTIVE INDEX SENSOR WITH A CORE-OFFSET POLARIZATION-MAINTAINING PHOTONIC CRYSTAL FIBER INTERFEROMETER	33
<i>B. Dong, J. Hao, C. Liaw, B. Lin, S. Tjin</i>	
POLARIZATION-BASED ENTANGLEMENT DISTRIBUTION AND SWAPPING AT TELECOM WAVELENGTHS	36
<i>A. Yoshizawa, Y. Xue, H. Lim, H. Tsuchida</i>	
CURVATURE SENSOR BASED ON LOW-BIREFRINGENCE PHOTONIC CRYSTAL FIBER SAGNAC LOOP	38
<i>H. Gong, C. Chan, L. Chen, X. Dong</i>	
CLUSTERING APPROACHES FOR COST-EFFECTIVE DEPLOYMENT OF AUSTRALIA'S NATIONAL BROADBAND NETWORK	40
<i>A. Tran, B. Pillai, K. Hinton, R. Ayre, R. Tucker</i>	
A SILICON-BASED TECHNOLOGY FOR THE FABRICATION OF SMOOTH OPTICAL DEVICES	43
<i>E. Teo, B. Xiong, M. Breese, A. Bettoli</i>	
ELECTROMAGNETICALLY INDUCED TRANSPARENCY-LIKE RESONANCE IN RING-BUS-RING MACH-ZEHNDER INTERFEROMETER	47
<i>Y. Zhang, S. Darmawan, L. Tobing, T. Mei, D. Zhang</i>	
LIGHT-HIERARCHIES: OPTIMAL MULTICAST ROUTES UNDER OPTICAL CONSTRAINTS	51
<i>B. Cousin, M. Molnar, F. Zhou</i>	
ENHANCING SPECTRAL EFFICIENCY AND RECEIVING SENSITIVITY IN A DIRECT-DETECTED OFDM SYSTEM.....	54
<i>K. Feng, W. Peng</i>	
SENSITIVITY ENHANCEMENT IN 2D PLASMONIC CRYSTALS	59
<i>H. Kang, K. Lee, Y. Wu, F. Romanato, C. Wong</i>	
EXPLORING THE NEGATIVE DIFFRACTION ORDER IN PLASMONIC CRYSTALS BY REFRACTIVE INDEX ENGINEERING.....	63
<i>H. Kang, Y. Wu, A. Pistore, F. Romanato, C. Wong</i>	

EFFECT OF PHOTODETECTOR ON THE NOISE CONVERSION OF THE OPTICAL PULSE TRAIN GENERATED FROM MODE-LOCKED LASERS	68
<i>K. Wu, P. Shum</i>	
SEMICONDUCTOR LASERS IN INDICATION AND MEASUREMENT APPLICATIONS	71
<i>J. Chen, S. Wu, Y. Chen, J. Duan, L. Chiu, Y. Kang</i>	
ELECTRICAL CHARACTERISTICS AND PHOTOCURRENT SPECTRAL RESPONSE OF SI NANOWIRES P-I-N JUNCTIONS	74
<i>Y. Sun, Rusli, M. Yu, H. Ruda, J. Salfi, C. Souza, N. Singh, F. Lin, P. Lo, D. Kwong</i>	
FINITE-DIFFERENCE TIME-DOMAIN ANALYSIS OF BANDGAP CHARACTERISTICS OF TRANSVERSELY PROBED HOLLOW-CORE PHOTONIC CRYSTAL FIBERS	76
<i>V. Shinjoj, V. Murukeshan</i>	
THEORETICAL INVESTIGATION OF POLARIZATION-DEPENDENT SURFACE PLASMON RESONANCE IN D-SHAPE FIBERS	80
<i>S. Zhang, X. Yu, Y. Zhang, P. Shum, H. Ho</i>	
RESONANT COUPLING OF SURFACE AND BULK PLASMON POLARITONS IN METALLIC NANOSTRUCTURES	84
<i>Y. Akimov, H. Chu, E. Li</i>	
OPTIMIZATION OF LIGHT-TRAPPING IN THIN-FILM SOLAR CELLS ENHANCED WITH PLASMONIC NANOPARTICLES	88
<i>Y. Akimov, W. Koh</i>	
FEMTOSECOND OPTICAL FREQUENCY COMB'S TEMPORAL COHERENCE CHARACTERISTIC-BASED HIGH-ACCURACY DISTANCE MEASUREMENT	93
<i>D. Wei, S. Takahashi, K. Takamasu, H. Matsumoto</i>	
VALIDITY OF THE SEMI-INFINITE TUMOR MODEL IN TISSUE OPTICS: A MONTE CARLO STUDY	99
<i>C. Zhu, Q. Liu</i>	
AMALGAMATING NANOMECHANICS WITH NANOPHOTONICS TO ACHIEVE PRECISE AND LARGE SPECTRAL SHIFTS OF RESONANCE	103
<i>X. Chev, G. Zhou, F. Chau, J. Deng, X. Tang, Y. Loke</i>	
PIGTAILED CDSE NANORIBBON RING LASER	108
<i>Y. Ma, Z. Yang, L. Tong</i>	
ALGORITHMIC SOLUTION TO SUPERACTIVATION OF ZERO-CAPACITY OPTICAL QUANTUM CHANNELS	112
<i>L. Gyongyosi, S. Imre</i>	
ANALYSIS OF MODE MISMATCH IN AN OPTOFLUIDIC WAVEGUIDE GAP FOR INTEGRATED LAB ON CHIP SENSOR	117
<i>K. Narayan, T. Srinivas, M. Varma, G. Rao</i>	
ACTIVE LATTICE FILTER WITH NANOPHOTONIC FTIRCOUPLERS FOR INTEGRATED PHOTONIC CHANNELIZER	122
<i>M. Christensen, D. Macfarlane, L. Hunt, J. Kim, T. Kim, T. Lafave Jr, K. Liu, A. Nagdi, N. Sultana, V. Ramakrishna, N. Huntoon, M. Dabkowski</i>	
BEAM SPLITTING AND A HOLLOW LIGHT CONE FROM A METAMATERIAL BASED ON A METALLIC NANOROD ARRAY	126
<i>C. Yan, D. Zhang, D. Li</i>	
PROPERTIES OF INSB (N) EPILAYERS GROWN BY METALORGANIC CHEMICAL VAPOR DEPOSITION	129
<i>Y. Jin, X. Tang, X. Chen, D. Zhang</i>	
LOW-LOSS PLASMONIC WAVEGUIDE BASED ON GAIN-ASSISTED PERIODIC METAL NANOPARTICLE CHAINS	133
<i>H. Zhang, H. Ho</i>	
DYNAMIC ANALYSIS ON THE FABRICATION OF CO₂ LASER WRITTEN LONG-PERIOD FIBER GRATINGS	136
<i>W. Tu, Y. Liu, N. Chen, F. Pang, T. Wang</i>	
MEMS VOA BASED ON TORSIONAL AND BENDING ATTENUATION MECHANISMS USING PIEZOELECTRIC CANTILEVER INTEGRATED WITH 1X10 PZT THIN FILM ACTUATORS	140
<i>K. Koh, T. Kobayashi, C. Lee</i>	
DIRECT BONDING FOR SILICON PHOTONICS	145
<i>E. Augendre, J. Fedeli, D. Bordel, B. Bakir, C. Kopp, L. Grenouillet, J. Hartmann, J. Harduin, P. Philippe, N. Olivier, M. Fournier, M. Zussy, K. Lefebvre, J. Sturm, L. Di Cioccio, L. Fulbert, L. Clavelier</i>	
PMD INSENSITIVE CD MONITORING BASED ON RF POWER RATIO MEASUREMENT UTILIZING FBG FILTER	150
<i>J. Yang, C. Yu, Z. Li</i>	

ENGINEERING OF REFRACTIVE INDEX IN SULFIDE CHALCOGENIDE GLASS BY DIRECT LASER WRITING	155
<i>Y. Zhang, Y. Gao, T. Ng, B. Ooi</i>	
CHARACTERIZATION OF WIRELESS OPTICAL INDOOR CHANNELS	159
<i>M. Hauske, F. Jondral</i>	
THIN FILM-BASED OPTICAL FIBER SENSORS	164
<i>M. Yang, J. Dai, M. Wang, X. Tong, D. Jiang</i>	
MICROMACHINED MULTIMODE INTERFERENCE DEVICE IN FLAT-FIBER	169
<i>S. Ambran, C. Holmes, J. Gates, A. Webb, F. Adikan, P. Smith, J. Sahu</i>	
DEPENDENCE OF RESONANT WAVELENGTH AND MECHANICAL DEFORMATION OF PHOTONIC CRYSTAL CANTILEVER INTEGRATED WITH DUAL NANO-RING RESONATOR	173
<i>B. Li, F. Hsiao, C. Lee</i>	
SURFACE PLASMON HYBRIDIZATION OF WHISPERING GALLERY MODE MICRODISK LASER.....	178
<i>O. Kurniawan, I. Ahmed, L. Ping</i>	
LOW POWER SILICON PHOTONICS SWITCH.....	182
<i>Q. Fang, J. Song, L. Jia, T. Liow, M. Yu, G. Lo, D. Kwong</i>	
A HOLLOW-CORE BRAGG FIBER WITH 450 NM BROADENING OF LOW-LOSS GUIDANCE IN NEAR INFRARED SPECTRAL RANGE	185
<i>D. Hu, P. Shum</i>	
ELECTROLUMINESCENCE FROM A-SIN_X:H/SIO₂ MULTILAYERS USING LATERAL CARRIER INJECTION	188
<i>L. Kamyab, Rusli, Y. Bin</i>	
LED WITH INTEGRATED MICROLENS ARRAY PATTERNED BY AN ULTRAVIOLET LINEAR MICRO-LED ARRAY	190
<i>L. Zhu, P. Lai, H. Choi</i>	
AN EMISSIVE GAN MICRO-LED ARRAY FOR VISIBLE-LIGHT MULTI-CHANNEL COMMUNICATION	193
<i>L. Zhu, P. Lai, H. Choi</i>	
RAMAN MAPPING GLUCOSE METABOLISM DURING ADIPOGENESIS FROM HUMAN MESENCHYMAL STEM CELLS.....	196
<i>S. Gomathy, C. Stylianou, I. Phang, S. Cool, V. Nurcombe, F. Ample, M. Lear, S. Gorelik, J. Hobley</i>	
VARIABLE FOCAL LENGTHS IMAGE FIBER BASED MICROSCOPE SYSTEM FOR BIOMEDICAL APPLICATION	201
<i>K. Sathiyamoorthy, V. Mohankumar, M. Matham</i>	
SELECTIVE ELECTRO-LESS PLATING OF SU-8 MICROSTRUCTURES FABRICATED USING TWO-PHOTON POLYMERIZATION	204
<i>Y. Yan, A. Bettoli</i>	
PHOTONIC ONE-WAY EDGE MODE AND SLOW LIGHT APPLICATION	208
<i>K. Fang, Z. Yu, S. Fan</i>	
A MEMS PLATFORM FOR 2-D FINE-POSITIONING AND LOCKING OF OPTICAL BALL-LENS IN SILICON PHOTONICS PACKAGING	213
<i>Q. Zhang, Y. Du, C. Tan, J. Zhang, M. Yu, G. Lo, D. Kwong</i>	
FOURIER ANALYSIS OF HIGH-INDEX-CONTRAST SLAB WAVEGUIDE WITH STEP DISCONTINUITY: AN ANALYTICAL AND EXACT SOLUTION	218
<i>Y. Chen, Y. Ma, Y. Lai, Y. Huang, S. Ho</i>	
DETECTION OF OPTICAL PM SIGNALS BY A SYNCHRONIZED QUANTUM CASCADE LASER.....	223
<i>T. Chattopadhyay, P. Bhattacharyya</i>	
PACKET EQUALISATION IN PONS USING ADJUSTABLE GAIN-CLAMPED SEMICONDUCTOR OPTICAL AMPLIFIERS (AGC-SOA)	227
<i>L. Liu, C. Michie, A. Kelly, I. Andonovic</i>	
LIGHT EMISSION FROM TENSILE-STRAINED N-TYPE EPITAXIAL GE THIN FILMS ON SI BY ULTRAHIGH VACUUM CHEMICAL VAPOR DEPOSITION	232
<i>L. Ding, A. Lim, M. Yu, G. Lo, B. Dolmanan, S. Tripathy</i>	
PASSIVE FEMTOSECOND MODE-LOCKING AND CW LASER PERFORMANCES OF YB³⁺: SC₂SIO₅	236
<i>W. Tan, D. Tang, X. Xu, J. Zhang, C. Xu, F. Xu, L. Zheng, L. Su, J. Xu</i>	
THEORETICAL ANALYSIS OF THE BRAGG FIBER SPECTRAL SENSITIVITY IN THE FIRST AND SECOND-ORDER PHOTONIC BAND GAPS (PBG)	239
<i>K. Milenko, D. Hu, P. Shum, T. Wolinski</i>	

FILTER-LESS FREQUENCY QUADRUPLING TECHNIQUE FOR OPTICAL MILLIMETER-WAVE SIGNAL GENERATION BASED ON ONE SINGLE-DRIVE MACH-ZEHNDER MODULATOR	242
<i>X. Hu, L. Zhang, P. Cao, Y. Su</i>	
A 60-GHZ ROF SYSTEM IN WDM-PON WITH REDUCED NUMBER OF MODULATORS AND LOW-COST ELECTRONICS	244
<i>L. Zhang, X. Hu, P. Cao, Y. Su</i>	
A NOVEL ALL-FIBER BROADBAND CIRCULAR POLARIZER	247
<i>L. Xue, L. Yang, H. Xu, J. Su, J. Qian</i>	
VISCOSITY SENSOR USING LONG-PERIOD FIBER GRATING BASED ON TRANSMISSION AMPLITUDE CHANGE OF RESONANCE WAVELENGTH	252
<i>J. Wang, J. Tang, W. Wu, D. Chen, C. Chen, C. Luo</i>	
THE ND:CAYALO₄ PASSIVELY MODE LOCKED LASER WITH A SESAM	256
<i>Z. Cong, D. Tang, W. Tan, J. Zhang, C. Xu, D. Luo, X. Xu, D. Li, J. Xu, X. Zhang, Q. Wang</i>	
SIMPLIFIED THEORETICAL MODEL FOR SURFACE PLASMON EXCITATION IN D-SHAPED FIBER	259
<i>H. Zhang, X. Yu, S. Zhang, Y. Zhang, C. Tan</i>	
SIMULTANEOUS DE-MULTIPLEXING AND DEMODULATION OF RZ-DPSK OTDM SIGNALS	262
<i>E. Nazemosadat, P. Shum, C. Lu</i>	
LIMITATION ON GAIN OF BIDIRECTIONAL AMPLIFIER IN AMPLIFIED WDM-PON USING BROADBAND LIGHT SOURCE SEEDED OPTICAL SOURCES	265
<i>B. Kang, C. Kim</i>	
THEORETICAL INVESTIGATION OF OPTIMAL PROPAGATION PERFORMANCE IN MULTILAYER LONG-RANGE SURFACE PLASMON WAVEGUIDE	268
<i>Y. Zhou, X. Yu, Y. Zhang, H. Zhang, H. Ho</i>	
POLAR VS. NONPOLAR INGaN/GaN QUANTUM HETEROSTRUCTURES: OPPOSITE QUANTUM CONFINED ELECTROABSORPTION AND CARRIER DYNAMICS BEHAVIOR	273
<i>E. Sari, S. Nizamoglu, J. Choi, S. Lee, K. Baik, I. Lee, J. Baek, S. Hwang, H. Demir</i>	
INVESTIGATIONS OF REFRACTIVE INDEX SENSING WITH A PHOTONIC CRYSTAL FIBER INTERFEROMETER	276
<i>H. Hu, C. Chen, Y. Chen, J. Wang, J. Tang, W. Wu</i>	
VOLTAGE HOLDING RATIO OF A NEMATIC LIQUID CRYSTAL CELL UNDER UV EXPOSURE	279
<i>C. Tang, Y. Lin, W. Lee</i>	
TIME-DOMAIN ANALYSIS OF SURFACE-PLASMON-POLARITON PROPAGATION IN AG NANO-FILMS USING A GENERALIZED POLARIZATION APPROACH	283
<i>A. Al-Jabr, M. Alsunaidi</i>	
BIDIRECTIONAL WDM PON USING DIRECTLY MODULATED LASERS FOR DOWNLINK AND RSOAS FOR UPLINK	287
<i>Z. Al-Qazwini, H. Kim</i>	
METAMATERIALS AND IMAGING WITH SUB-WAVELENGTH RESOLUTION	292
<i>Y. Zhang, D. Zhang, M. Fiddy</i>	
COMBINED OPM PARAMETER ESTIMATION USING DSP	296
<i>F. Hauske</i>	
RANDOM FIBER LASER BASED ON RAYLEIGH SCATTERING: BASIC PRINCIPLES AND EXPERIMENTAL RESULTS	299
<i>S. Babin</i>	
DRY ETCHING OF LINBO₃ USING INDUCTIVELY COUPLED PLASMA	304
<i>J. Deng, G. Si, A. Danner</i>	
CDS/ZNS QUANTUM DOTS AND CAAL₂Si₂O₈ PHOSPHOR HYBRID WHITE LED	309
<i>Q. Hou, C. Shen</i>	
PHOTONIC LIQUID CRYSTAL FIBERS FOR HIGHLY-TUNABLE PHOTONIC DEVICES	312
<i>T. Wolinski, K. Rutkowska, S. Ertman, D. Budaszewski, M. Chychlowski, A. Czapla, A. Domanski, L. Garncarek, K. Milenko, M. Sierakowski, M. Tefelska, R. Dabrowski, E. Nowinowski-Kruszelnicki, J. Wojcik</i>	
NANOSPHERE TEMPLATED OPTICAL FIBER FOR IN-VIVO SERS SENSING APPLICATIONS	317
<i>U. Dinish, C. Fu, D. Goh, M. Olivo</i>	
AMPLIFICATION OF ANGLE-MODULATED OPTICAL SIGNALS THROUGH SYNCHRONIZED QUANTUM CASCADE LASER	322
<i>T. Chattopadhyay, P. Bhattacharyya</i>	
IMPROVED PROFILES OF PHOTONIC CRYSTALS IN LITHIUM NIOBATE BY TRUNCATING TAPERED BOTTOMS	326
<i>S. Guangyuan, T. Jin, D. Jun, A. Bettoli, J. Teng, A. Danner</i>	

PERFORMANCE EVALUATION OF OOK FREE-SPACE OPTICAL TRANSMISSION SYSTEM WITH DYNAMIC DECISION THRESHOLD AND COHERENT DETECTION	331
Z. Wang, W. Zhong, S. Zhang, C. Yu, Y. Ding	
FABRICATION OF SINGLE-LAYER METAMATERIALS WITH SUB-50-NM ULTRASMALL GAPS	336
G. Si, M. Zhang, L. Teo, J. Teng, A. Danner	
TUNING OF SURFACE PLASMONS IN VISIBLE AND NEAR INFRARED RANGE USING PLASMONIC CRYSTALS	339
G. Si, M. Zhang, L. Teo, A. Danner, J. Teng	
THE SHIFT OF CENTRAL WAVELENGTH OF PULSE IN LOW-REPETITION-RATE PASSIVELY MODE-LOCKED FIBER LASER	343
Z. Wang, Y. Li, H. Xu, J. Liu, C. Zhao, J. Wen, S. Wen	
AN ENABLING TOOL FOR IMAGING OF DERMAL REPAIR AFTER STEM CELL IMPLANTATION: NONLINEAR OPTICAL MICROSCOPY	347
S. Zhuo, J. Chen, S. Xie	
DISSIPATIVE SOLITONS FOR MODE-LOCKED FIBER LASERS	349
P. Grelu, S. Chouli, J. Soto-Crespo, W. Chang, A. Ankiewicz, N. Akhmediev	
IN VIVO DETERMINATION OF TIME-DEPENDENT ACUTE MYOCARDIAL ISCHEMIA BASED ON PHOTOACOUSTIC IMAGING	351
Z. Li, H. Li, H. Chen, W. Xie	
80 W ALL-FIBER SINGLE-FREQUENCY MOPA	355
H. Chen, S. Chen, X. Wang, P. Zhou, Y. Ma, H. Jing	
PERIODIC SILICON NANOCONES ARRAYS WITH CONTROLLABLE DIMENSIONS PREPARED BY TWO-STEP ETCHING USING NANOSPHERE LITHOGRAPHY AND NH₄OH/H₂O₂ SOLUTION	357
M. Yang, H. Yu, X. Sun, J. Li, X. Li, L. Ke, J. Hu, F. Wang, Z. Jiao	
COHERENT BEAM COMBINING OF TRIPLE-WAVELENGTH FIBER LASER BASED ON CASCADED FIBER BRAGG GRATING ARRAY	360
X. Wang, P. Zhou, Y. Ma, H. Chen, S. Chen, X. Xu	
PHASE-LOCKED POLARIZATION MAINTAINING NARROW LINENWIDTH YB-DOPED FIBER LASER ARRAY	363
Y. Ma, J. Zhu, X. Wang, P. Zhou, X. Dong, H. Chen, S. Chen, X. Xu	
ALL-OPTICAL WIDEBAND SPECTRUM ANALYZER IN NANO-SCALE USING METAL COMPOSITE NANOPARTICLE	366
G. Rostami, A. Rostami, S. Bilankohi	
ATOMIC MULTI-LAYER GRAPHENE FOR DISSIPATIVE SOLITON GENERATION IN YTTERBIUM-DOPED FIBER LASER	371
L. Zhao, D. Tang, H. Zhang, X. Wu, Q. Bao, K. Loh	
INTEGRATED CU-BASED TM-PASS POLARIZER USING CMOS TECHNOLOGY PLATFORM	375
T. Ng, Z. Khan, B. Ooi	
HIGH-STABILITY ER-DOPED SUPERFLUORESCENT FIBER SOURCE INCORPORATING PHOTONIC BANDGAP FIBER	378
A. Wang	
A CONCAVE TAPERED DFB SEMICONDUCTOR LASER BASED ON RECONSTRUCTION-EQUIVALENT-CHIRP TECHNOLOGY	381
Y. Shi, R. Gu, X. Chen	
COUPLED DISPERSIVE MODES IN DUAL-LAYER FISHNET STRUCTURES IN TERAHERTZ REGIME	384
Z. Zhang, C. Wang, M. Chen, K. Chan, Q. Xing, M. Hu, Q. Wang	
THE STUDY OF UV LIGHT GENERATION BASED ON CONVENTIONAL PULSED FIBER LASERS AND Q-SWITCHED PHOTONIC CRYSTAL FIBER LASERS	386
K. Su, W. Zhuang, W. Huang, Y. Chen, C. Hu	
MICROFLUIDIC AND BIO-APPLICATIONS OF OPTICAL MICROFIBRES	389
G. Brambilla	
EFFECT OF POST-AnNEALING HYDROTHERMAL-GROWN ZNO NANORODS ON THE ELECTRICAL PARAMETERS OF DYE-SENSITIZED SOLAR CELLS	394
A. Kyav, H. Sun, X. Sun, Z. Huang, X. Zeng	
EXPERIMENTAL STUDY OF THE SBS EFFECT IN MULTITONE-DRIVEN NARROW-LINENWIDTH HIGH-POWER ALL-FIBER AMPLIFIERS	400
W. Du, Y. Ma, J. Zhu, X. Dong, X. Wang, P. Zhou, X. Xu	

MULTI-MILLIJOULE, HIGH-REPETITION-RATE Q-SWITCHED ND-DOPED VANADATE LASER WITH AN ALGAINAS QUANTUM-WELL SATURABLE ABSORBER	403
<i>Y. P. Huang, Y. J. Huang, P. Chiang, Y. Chen, K. Huang</i>	
MULTI-WAVELENGTH OPERATION OF INTRACAVITY ND:YAG/KLU(WO₄)₂ RAMAN LASER	407
<i>Z. Cong, X. Zhang, Q. Wang, X. Chen, S. Fan, Z. Liu, H. Zhang, X. Tao, J. Wang, H. Zhao, S. Li</i>	
CLOSE-FORM SOLUTIONS FOR THE GAIN AND REFRACTIVE INDEX OF MULTIPLE-STATE QUANTUM-DOT SEMICONDUCTOR OPTICAL AMPLIFIERS	410
<i>X. Guo, Z. Yu, Y. Liu, X. Li</i>	
DEMONSTRATION OF BIDIRECTIONAL WIRED AND WIRELESS SERVICES IN INTEGRATED OPTICAL AND WIRELESS SYSTEM CARRIED BY SINGLE WAVELENGTH LIGHTWAVE	414
<i>C. Yang, Q. Hung, S. Lin, M. Chuang, S. Lee</i>	
BIDIRECTIONAL TRANSMISSION USING HYBRID RAMAN/EDFA AMPLIFIER AND COLORLESS ONUS FOR WDM-PON TRANSPORT SYSTEM	415
<i>Y. Huang, H. Lin, Y. Liang, N. Tsai, P. Lai</i>	
GAIN SPECTRA ANALYSIS OF BILAYER QUANTUM DOT LASERS BEYOND 1.3μM	416
<i>M. Majid, D. Childs, S. Chen, K. Groom, K. Kennedy, R. Airey, R. Hogg, E. Clarke, P. Spencer, R. Murray</i>	
UWB TRIPLET PULSE GENERATION BASED ON GAIN SWITCHING OF RSOA	420
<i>Y. Kim, S. Jeon, Y. Choi, C. Park</i>	
OPTOFLUIDIC VARIABLE OPTICAL ATTENUATOR	422
<i>R. Ranjini, A. Adiyodi, M. Matham, N. Nam-Trung</i>	
LOW POWER CONSUMPTION ENTERPRISE/CAMPUS NETWORK THAT REALIZES WAVELENGTH VPN WITH AWG LOOPBACK CONNECTION	425
<i>T. Sakai, S. Yamakawa, D. Hanawa, K. Oguchi</i>	
STUDY ON ULTRAFAST DISORDERED CRYSTAL LASERS	429
<i>G. Xie, W. Gao, D. Tang, H. Zhang</i>	
PHASE COMPENSATION TO OVERCOME DISPERSION PENALTY FOR ULTRA WIDEBAND-OVER-FIBER SYSTEMS	433
<i>Y. Chen, W. Lin</i>	
HYBRID PENDULUM-BASED 2-D TILT SENSOR WITH TWO FIBER BRAGG GRATINGS	437
<i>H. Bao, X. Dong, L. Shao, C. Zhao, S. Jin, P. Shum</i>	
NONLINEAR GAIN SUPPRESSION COEFFICIENT OF INALGAN BLUE LDS	441
<i>H. Cho, J. Yi</i>	
MICROWAVE PHOTONIC FILTERS	445
<i>R. Minasian, X. Yi, E. Chan</i>	
AN OPTICAL MULTICAST PACKET SWITCH USING MULTI-WAVELENGTH CONVERTERS AND SHARED FIBER DELAY LINES	449
<i>Q. Huang, W. Zhong</i>	
FIBER TIP HIGH TEMPERATURE SENSOR	454
<i>J. Kou, J. Feng, F. Xu, Y. Lu</i>	
A POROUS MODEL OF HUMAN FOREARM FOR HEAT TRANSFER ANALYSIS BY FINITE ELEMENT METHOD	458
<i>H. Yang, X. Chen, Y. Huang, S. Xie</i>	
ROF-BASED INDOOR WIMAX TRANSMISSION SYSTEM	462
<i>M. Chuang, S. Lee, C. Chiang, S. Lin, C. Yang</i>	
OPTIMIZED DESIGN OF HIGH POWER MID-INFRARED ER³⁺, PR³⁺-CODOPED ZBLAN FIBER LASER	463
<i>J. Li, S. Jackson, M. Chen, H. Chen, Y. Liu</i>	
BOUND SOLITONS OPERATION OF A FIBER LASER MODE-LOCKED BY CARBON NANOTUBES	468
<i>X. Wu, D. Tang, L. Zhao, H. Zhang</i>	
ALL-OPTICAL XOR LOGIC GATE ACCOMPANIED WITH OOK/PSK FORMAT CONVERSION BY THE USE OF CROSS PHASE MODULATION IN OPTICAL FIBER	470
<i>A. Maruta, S. Kitagawa</i>	
CREATION OF ULTRA-LONG DIFFRACTION LIMITED OPTICAL PIPE	472
<i>J. Wang, W. Chen, Q. Zhan</i>	
EXCITATION OF HYBRID PLASMON POLARITONS (HPPS) USING NANOFIBERS	473
<i>G. Wang, P. Shum, A. Ho, L. Tong, C. Lin</i>	
CARBON-NANOTUBE-BASED PASSIVELY MODE-LOCKED FIBER LASER FOR SUPERCONTINUUM GENERATION	478
<i>H. Liu, J. Wong, K. Chow, P. Shum</i>	

LOW TIMING JITTER FIBER LASER PASSIVELY MODE-LOCKED BY SINGLE-WALL CARBON NANOTUBES	482
<i>J. Wong, K. Wu, C. Ouyang, H. Wang, H. Liu, S. Aditya, P. Shum</i>	
PHOTOREFRACTIVE SPS ACOUSTO OPTIC IMAGING IN THICK DIFFUSING MEDIA AT 790NM	486
<i>S. Farahi, G. Montemezzani, A. Grabar, J. Huignard, F. Ramaz</i>	
RECOMBINATION AND LOSS MECHANISMS IN GANASP/GAP QW LASERS	489
<i>N. Hossain, J. Chamings, S. Jin, S. Sweeney, S. Liebich, S. Reinhard, K. Volz, B. Kunert, W. Stolz</i>	
INFLUENCE OF DEVICE STRUCTURES ON CARRIER RECOMBINATION IN GAASSB/GAAS QW LASERS	493
<i>N. Hossain, K. Hild, S. Jin, S. Sweeney, S. Yu, S. Johnson, D. Ding, Y. Zhang</i>	
EFFECT OF EPOXY BONDING ON STRAIN SENSITIVITY AND SPECTRAL BEHAVIOR OF REFLECTED BRAGG WAVELENGTH	496
<i>M. Hassan, N. Tamchek, M. Ismail, T. Izam, A. Abas, R. Johar, S. Chong, F. Adikan</i>	
RECONFIGURABLE MULTI-CHANNEL SECOND-ORDER SILICON MICRORING-RESONATOR FILTERBANKS FOR ON-CHIP WDM SYSTEMS	500
<i>M. Dahlem, C. Holzwarth, A. Khilo, F. Kartner, H. Smith, E. Ippen</i>	
ALL-OPTICAL SIGNAL PROCESSING IN POLARIZATION-DIVISION-MULTIPLEXED OPTICAL COMMUNICATION SYSTEMS	503
<i>A. Yi, L. Yan, W. Pan, B. Luo, J. Ye</i>	
FROM LAB DEMO TO FIELD TRIAL: REAL-TIME COHERENT 127 GB/S PM-QPSK TRANSMISSION	507
<i>B. Zhang, S. Khatana</i>	
AN OPTICAL BURST RING NETWORK FEATURING SUB-WAVELENGTH- AND WAVELENGTH-GRANULARITY GROOMING	510
<i>S. Cao, N. Deng, T. Ma, J. Qi, X. Shi, J. He, J. Zhou</i>	
RESEARCH ON NANO-PLASMONIC WAVEGUIDE FILTERS	513
<i>X. Huang, J. Tao, X. Lin</i>	
AN MEMS TUNABLE DUAL-WAVELENGTH LASER	518
<i>J. Tao, A. Yu, H. Cai, Q. Zhang, J. Wu, K. Xu, J. Lin, A. Liu</i>	
WIRELESS COMMUNICATION USING VISIBLE LIGHT AND HIGHER FREQUENCIES	521
<i>A. Sundararajan, A. Ravi</i>	
A HIGH EFFICIENCY AND COST EFFECTIVE SI THIN FILM SOLAR CELL WITH NOVEL PERIODIC NANOHOLE TEXTURED SURFACE	526
<i>F. Wang, J. Li, S. Wong, M. Yang, Y. Li, X. Sun, M. Li, H. Yu</i>	
WAVELENGTH CONVERSION IN BRAGG REFLECTION WAVEGUIDES	531
<i>J. Han, P. Abolghasem, D. Kang, B. Bijlani, A. Helmy</i>	
DESIGN OF A LOW-LOSS THERMO-OPTIC SWITCH	535
<i>K. Xu, H. Cai, Q. Fang, G. Lo, D. Kwong, A. Liu</i>	
COMPACT COUPLED DOUBLE LAYER METAL NANO-STRIPS ARRAYS AS RESONATORS AND ANTENNAS FOR BIOPHOTONIC APPLICATIONS	538
<i>Z. Kang, H. Ho</i>	
A THERMO-OPTIC PHOTONIC SWITCH	543
<i>H. Cai, M. Yu, J. Song, H. Teo, Q. Fang, G. Lo, D. Kwong</i>	
INTEGRATION OF PHOTONIC SENSOR ARRAY WITH GESI PHOTO-DETECTORS FOR MULTIPLEXING DETECTION	546
<i>X. Chen, B. Wang, J. Chandrappan, W. Tian, K. Ang, J. Reboud, M. Je, R. Kumarasamy, P. Lo</i>	
PRE-EMPHASIS PERFORMANCE IMPROVEMENT OF OFDM-UWB SIGNALS TRANSMITTED OVER FTTH NETWORKS USING DIRECTLY MODULATED LASERS	548
<i>J. Morgado, D. Fonseca, T. Alves, A. Cartaxo</i>	
MODAL CHARACTERISTICS OF NANO-SIZED AIR-CAPILLARY-CORE OPTICAL FIBERS	553
<i>A. Dutt, S. Varshney</i>	
PARTICLE GUIDANCE AND PHOTOCHEMISTRY IN HOLLOW-CORE PHOTONIC CRYSTAL FIBRE	557
<i>T. Euser, M. Garbos, J. Chen, N. Farrer, M. Scharrer, P. Sadler, P. Russell</i>	
ULTRA-COMPACT METAL-INSULATOR-METAL PLASMONIC POWER SPLITTER AT 1550NM WAVELENGTH	559
<i>N. Nozhat, N. Granpayeh</i>	
PHASE-SHIFT INDUCED IN A HIGH-CHANNEL-COUNT FIBER BRAGG GRATING AND ITS APPLICATION TO MULTIWAVELENGTH FIBER RING LASER	563
<i>X. Chen, Y. Painchaud, H. Li</i>	

FABRICATION OF ORDERED METAL NANO-PARTICLES ON A QUANTUM WELL STRUCTURE	565
<i>K. Tung, N. Xiang</i>	
APPLICATIONS OF MICROSTRUCTURED POLYMER OPTICAL FIBERS	569
<i>A. Argyros</i>	
THE EFFECTS OF RAPID ANNEALING AND PASSIVATION OF CO-SPUTTERED ERBIUM DOPED SI-RICH OXIDE/SIO₂ SUPERLATTICE STRUCTURES	573
<i>S. Silalahi, R. Chen, Q. Vu, K. Pita, H. Sun, M. Yu</i>	
TOWARD EXTREMELY ADVANCED TRANSMISSION (EXAT) TECHNOLOGY	578
<i>T. Kamiya, Y. Awaji</i>	
ENERGY-EFFICIENT GERMANIUM ELECTRO-ABSORPTION MODULATOR FOR ‘GREEN’ PHOTONICS APPLICATIONS	580
<i>A. Lim, T. Liow, Q. Fang, N. Duan, M. Yu, G. Lo, D. Kwong</i>	
DEVELOPMENT OF MULTI-CHIP BONDING ON AN INTEGRATED PACKAGING PLATFORM FOR SILICON PHOTONICS	584
<i>C. Tan, Q. Zhang, C. Teo, L. Lim, M. Yu, P. Lo</i>	
STUDY OF REVERSE DARK CURRENT IN SILICON APD FOR PET APPLICATION	590
<i>D. Ning, T. Liow, G. Lo</i>	
SURFACE PLASMON ENHANCED LIGHT-TRAPPING IN POLYCRYSTALLINE SILICON THIN-FILM SOLAR.....	594
<i>S. Varlamov, Z. Ouyang, X. Zhao, D. Jung</i>	
20 GHZ OPTICAL COMBS GENERATION BASED ON BRILLOUIN FIBER LASER WITH PHOTONIC CRYSTAL FIBER	600
<i>R. Parvizi, N. Ali, Y. Parvizi, S. Harun, H. Ahmad</i>	
SILICON WAVEGUIDE BASED SPLITTER	603
<i>H. Zhang, J. Zhang, S. Chen, L. Ding, T. Liow, M. Yu, G. Lo</i>	
SILICON WAVEGUIDE BASED TE MODE CONVERTER	606
<i>J. Zhang, T. Liow, H. Zhang, S. Cheu, M. Yu, G. Lo, D. Kwong</i>	
DEMONSTRATION OF VISIBLE LIGHT COMMUNICATION LINK FOR AUDIO AND VIDEO TRANSMISSION	610
<i>D. Sou, E. Cho, C. Lee</i>	
INGAASN ABSORBER FOR TELECOMMUNICATION WAVELENGTH APDS	614
<i>Y. Goh, S. Tan, S. Zhang, J. Ng, J. David</i>	
F₂ LASER EXCITED FLUORESCENCE IN LUMILASS GLASS AND APPLICATION TO BEAM CHARACTERIZATION AND SPATIAL COHERENCE MEASUREMENT	617
<i>R. Zakaria, P. Dyer</i>	
NEW TYPE OF A TRANSPARENT CONDUCTIVE NANOSTRUCTURED THIN FILM FOR PHOTONIC DEVICES	623
<i>A. Stsiapanau, A. Smirnov, E. Mukha</i>	
LIQUID ELECTROCHEMILUMINESCENT ORGANIC LIGHT EMITTING CELL.....	626
<i>A. Stsiapanau, X. Sun, A. Smirnov, C. Kam</i>	
AMPLITUDE LIMITING OF TIME-INTERLEAVE-MULTIPLEXED OOK AND DPSK SIGNALS BASED ON FOUR-WAVE MIXING IN A FIBER	629
<i>N. Shah, D. Yang, M. Matsumoto</i>	
PHOTONIC MICROWIRE AND NANOWIRE DEVICES: FABRICATION AND APPLICATIONS	632
<i>N. Chen, J. Zhang, C. Lin</i>	
STIMULATED RAMAN CROSSTALK IN MULTI-PUMPED DRA	636
<i>V. Priye, Anamika</i>	
INTEGRATION OF LOW-PASS FILTER WITH OPTICAL RECEIVER USING QUANTUM WELL INTERMINGLING	641
<i>K. Lee, C. Daunt, B. Roycroft, J. O’Callaghan, H. Yang, A. Wieczorek, F. Peters, B. Corbett</i>	
FLUORESCENCE LIFETIME DIAGNOSIS OF CERVICAL CANCER BASED ON EXTREME LEARNING MACHINE	644
<i>G. Jun, B. Koon, F. Yaw, S. Razul, L. Kim</i>	
MULTIMODE-INJECTION-LOCKED FABRY-PÉROT LASER DIODE AS REMOTE SEEDING LIGHT FOR WDM-PONs	647
<i>F. Xiong, W. Zhong, H. Kim</i>	
DISPERSION TOLERANCE OF TRANSMITTED NRZ-OOK SIGNAL FOR ALL-OPTICAL OOK/BPSK FORMAT CONVERSION USING CROSS PHASE MODULATION IN OPTICAL FIBER.....	650
<i>N. Hashimoto, A. Maruta</i>	

ULTRA-COMPACT SOI MICRO RINGS FOR SENSING APPLICATIONS.....	653
<i>S. Malathi, U. Raghmath, T. Srinivas</i>	
WAVELENGTH/TIME ORTHOGONAL CODES WITH FEC OFFER DUAL ADVANTAGE	656
<i>E. Shivateela</i>	
DESIGN AND MODELING OF LOW-TEMPERATURE FIBER SENSOR BASED ON MICRODISK WHISPERING GALLERY MODES	661
<i>M. Garaei, M. Sabaeian, H. Nadgaran</i>	
QUANTITATIVE OPTIMIZATION OF SOURCE AND DETECTOR CONFIGURATIONS IN DIFFUSE OPTICAL TOMOGRAPHY SYSTEM	664
<i>L. Chen, N. Chen</i>	
FIBER-OPTIC ASYNCHRONOUS DELTA-SIGMA MODULATOR.....	670
<i>E. Reeves, Y. Jin, P. Costanzo-Caso, A. Siahmakoun</i>	
MALARIA DIAGNOSIS USING MAGNETIC NANOPARTICLES.....	674
<i>C. Yuen, Q. Liu</i>	
GIANT CHIRP OSCILLATORS: MODELING AND EXPERIMENT.....	676
<i>E. Kelleher, J. Travers, S. Popov, J. Taylor</i>	
DESIGN OF 16 CHANNEL MULTIPLEXER USING SOI RING RESONATOR ARRAY	681
<i>U. Raghunath, S. Malathi, Y. Krishna, T. Srinivas, G. Kadambi</i>	
DESIGN AND OPTIMIZATION OF LARGER-SIZED DYE SENSITIZED SOLAR CELL (DSSC).....	684
<i>J. Kang, X. Wang, T. Zhang, Z. Fan, H. Yin, Z. Lu, L. Liu</i>	
NANOPHOTONICS TECHNOLOGY FOR ADVANCED QUANTUM DOT / PHOTONIC CRYSTAL DEVICE AND METAL / SEMICONDUCTOR PLASMONIC DEVICE	687
<i>Y. Sugimoto, N. Ikeda, D. Tsuya, N. Ozakli, A. Yamanaka, A. Miura, T. Nomura, D. Inoue, H. Fujikawa, S. Ohkouchi, Y. Watanabe, Y. Koide, K. Satoh, K. Asakawa</i>	
THEORETICAL INVESTIGATION OF SILICON MOS-TYPE PLASMONIC SLOT WAVEGUIDE BASED ELECTROOPTIC MODULATORS	692
<i>S. Zhu, G. Lo, D. Kwong</i>	
GAIN OPTIMIZATION METHOD OF A DQW SUPERLUMINESCENT DIODE WITH BROAD MULTI-STATE EMISSION	697
<i>C. Dimas, H. Djie, B. Ooi</i>	
SUPERCONTINUUM TO SOLITONS: NEW NONLINEAR STRUCTURES IN FIBER PROPAGATION	702
<i>B. Kibler, J. Fatome, C. Finot, G. Millot, F. Dias, G. Genty, N. Akhmediev, J. Dudley</i>	
STRONG TERAHERTZ RADIATION FROM INTENSE FEMTOSECOND LASER-SOLID INTERACTIONS	703
<i>Y. Li, C. Li, M. Zhou, X. Lin, F. Liu, F. Du, S. Wang, L. Chen, J. Ma, Z. Wang, Z. Wei, Z. Sheng, J. Zhang</i>	
TUNABLE TERAHERTZ PLASMONIC LENS WITH EXTERNAL MAGNETIC FIELD	705
<i>B. Hu, Q. Wang</i>	
ELECTRICALLY CONTROLLED SPECTRA OF A MULTILAYER PHOTONIC CRYSTAL WITH A CENTRAL TWISTED-NEMATIC DEFECT.....	708
<i>Y. Lin, V. Zyryanov, W. Lee</i>	
PHASE-SEPARATED POLYMER/LIQUID-CRYSTAL COMPOSITE FILMS DRIVEN BY DC ELECTRIC FIELD	711
<i>C. Wu, M. Kao, W. Lee</i>	
ELECTRICAL & OPTICAL PROPERTIES OF MG-DOPED NARROW BAND-GAP INSBN P-N JUNCTION	714
<i>X. Chen, D. Zhang, Y. Jin, S. Zhang</i>	
FABRICATION OF NEWLY STRUCTURED COLLOIDAL PHOTONIC CRYSTALS.....	718
<i>T. Ding, K. Song</i>	
INTRINSIC NEGATIVE PERMITTIVITY AT FAR INFRARED REGION BASED ON CRYSTAL LATTICE VIBRATION	722
<i>R. Wang, J. Zhou, B. Li, X. Qiu</i>	
VIRTUALIZED OPTICAL NETWORK SERVICES FOR CLOUD APPLICATIONS	726
<i>Y. Jin, W. Guo, W. Sun, W. Hu</i>	
HIGH QUALITY FACTOR ETCHELESS SILICON PHOTONIC RING RESONATORS.....	728
<i>L. Luo, G. Wiederhecker, J. Cardenas, M. Lipson</i>	
BANDGAP ENGINEERING OF ALL-SOLID PHOTONIC BANDGAP FIBER BASED ON BROKEN-RING STRUCTURE	731
<i>A. Wang, Y. Li</i>	
POTENTIALITIES OF MICROFIBERS FOR NON LINEAR OPTICS	734
<i>A. Coillet, G. Vienne, P. Grelu</i>	

DILUTE NITRIDE $\text{InSb}_{1-x}\text{N}_x$ ALLOYS FOR MID INFRARED DETECTION.....	739
<i>K. Lim, H. Pham, S. Yoon, K. Tan, C. Ngo</i>	
NEW TYPE OF A TRANSPARENT CONDUCTIVE NANOSTRUCTURED THIN FILM FOR PHOTONIC DEVICES	742
<i>A. Stsiapanau, A. Smirnov, E. Mukha</i>	
LIQUID ELECTROCHEMILUMINESCENT ORGANIC LIGHT EMITTING CELL.....	745
<i>A. Stsiapanau, X. Sun, A. Smirnov, C. Kam</i>	
INTEGRATED CU-BASED TM-PASS POLARIZER USING CMOS TECHNOLOGY PLATFORM.....	748
<i>T. Ng, Z. Khan, B. Ooi</i>	
DISPERSION AND BIREFRINGENCE PROPERTIES OF A NOVEL As_2Se_3 PHOTONIC CRYSTAL FIBER NANOWIRE	751
<i>D. Hasan, M. Alam, K. Mohsin, M. Hossain</i>	
MAS-MBPE APPLICATION FOR PLASMONIC STRUCTURES.....	756
<i>K. Tavzashvili, G. Ghvedashvili, D. Kakulia</i>	
CHARACTERIZING BOW-TIE UNIT CELL SINGLE LAYER VISIBLE WAVELENGTH METAMATERIALS	761
<i>R. Hegde, E. Li</i>	
PHOTON FREQUENCY UP-CONVERSION WITH PUMP-INDUCED SECOND-HARMONIC NOISE SUPPRESSION	765
<i>M. Liu, H. Lim, Y. Akio, H. Tsuchida</i>	
TRIANGULAR CORE-SHELL STRUCTURE Ag@AgAu	768
<i>M. Shahjamali, L. Pin, M. Kathawala, S. Pratheepan, N. Saini, M. Mansor, C. Xue</i>	
DESIGN AND FABRICATION OF MICROFIBER CONTAINING GOLD NANOPARTICLES.....	771
<i>M. Jorgensen, G. Wang, D. Hu, P. Shum</i>	