

## KEYNOTE

NO	PAPER	TITLE	PRESENTER	#
1	keynote	High capacity SDM transmission and multi-granular optical switching network technologies	NAOYA WADA	COM
2	keynote	Towards a Quantum Cloud	MARKO LONCAR	COM
3	keynote	Thirty years of photonic research in Malaysia	SAHBUDIN SHAARI	DEV
4	keynote	Integrated SMART-SENSING using Fibre Optics Technology for SMARTGRID	KULJIT SINGH	SEN

## INVITED SPEAKER

NO	PAPER	TITLE	PRESENTER	#
1	1570431690	On Photonic Spectral Entanglement Improving Quantum Communication	Piotr Kolenderski	COM
2	1570431705	Digital Signal Processing for Passive Optical Networks and Data Centre Interconnects	Werner Rosenkranz	COM
3	1570431743	Millimeter- And Terahertz-Wave Radio Systems Enabled by Photonics Technology for 5G/IoT and Beyond	Atsushi Kanno	COM
4	1570414953	Demonstration of Receiver Generated Optical Duobinary and VSB-NRZ for Next-Generation PON	Sevia Idrus	COM
5	1570433089	XGPON Standardisation	Romli Mohamad	COM
6	1570433238	Power Consumption Modeling in Integrated Optical-Wireless Access Network	Nadiatulhuda Zulkifli	COM
7	1570415227	High Bandwidth Simplicity VCSELS	James Lott	DEV
8	1570426551	Antennas for Photons Light-Matter Coupling at Nanoscale	Karolina Slowik	DEV
9	1570431683	Acoustic Wave Management with Brillouin Scattering	Kien Phan Huy	DEV
10	1570431704	Dual Air Core Fibres	S Yoo	DEV
11	1570433082	Optical Characterisation of LEDs with Radiation Effects	Nurul Fadzlin Hasbullah	DEV
12	1570431901	From Laboratory to Spin-off Company	Hairul Azhar Abdul-Rashid	DEV
13	1570431899	Recent Advancement in Graphene-Based Photo-Detector from near to Far Infra-Red Wavelength	Ahmad Rifqi Md Zain	DEV
14	1570433236	The Study of Tunable Energy Band Gap of Graphene Layer	Gunawan Witjaksono	DEV
15	1570433237	Deuterium Passivated Amorphous Silicon on Insulator: A Robust Nonlinear Photonic Platform	Peter Girouard	DEV
16	1570447699	Flexible Solar on Fibers as Substrates Coated with Molybdenum and CZTS	Asm Mukter-Uz-Zaman	DEV
17	1570428768	Simulating the Annual Energy Yield of a Rotationally Asymmetrical Optical Concentrator	Firdaus Muhammad-Sukki	MOD
18	1570431689	Advanced Functions for Signal Processing and Sensing Harnessing On-Chip SBS	Atiyeh Zarifi	MOD
19	1570431702	Multi-element Nano-Engineered Glass Based Er-doped Optical Fibers for Broadband Optical Communication S	Mukul Paul	MOD
20	1570431744	Anti- Burst Flooding Attack Model in Optical Burst Switching Network	Mohammed Al-Shargabi	MOD
21	1570433239	Optical Imaging Filtering and Encrypting with Strongly Scattering Media	Cuong Dang	MOD
22	1570433240	Lithium Niobate on Insulator (LNOI) Channel Waveguides for Integrated Optical Engineering	Ghanshyam Singh	MOD
23	1570422866	High Temperature Stable Polymer Planar Waveguide Bragg Grating Sensors	Manuel Rosenberger	SEN
24	1570431684	Opto-acoustic Chemical Sensor Based on Forward Brillouin Scattering in Optical Fiber	Desmond Chow	SEN
25	1570431691	Hydrogenated Amorphous Silicon for Multi-layer Photonics	Harold MH Chong	SEN
26	1570431706	Smart Water Quality Monitoring Technologies	Tahmina Ajmal	SEN

NORMAL PRESENTER

NO	PAPER	TITLE COMMUNICATION	PRESENTER	#
1	1570407421	Passive Elements Fault Analysis at the Last Mile of FTTH Network in Malaysia	Khairul Anuar Mat Sharif	C01
2	1570407433	Demonstration of XGS-PON and GPON Co-Existing in the Same Passive Optical Network	Khairul Anuar Mat Sharif	C02
3	1570408063	Modal Properties of a Varied High Indexed Large Core 4 Mode Photonic Crystal Fiber	Tendai Masunda	C03
4	1570408077	Modified Asymmetrically and Symmetrically Clipped Optical OFDM for IM/DD Systems	Mohammed Salman Baig	C04
5	1570414231	Saturation Behavior of Fiber Optical Parametric Amplifier in Presence of Dispersion Fluctuations	Nurulanati Othman	C05
6	1570414424	An Overview on Security Issues in the Optical Access Network	Fadila Mohd Atan	C06
7	1570414846	Chromatic Dispersion Compensation for Offset-QAM/FBMC Based Coherent WDM Using Digital Filter	Khaled Alaghbari	C07
8	1570416739	Performance Evaluation of XG-PON with Watchful Sleep Mode	Nor Affida M Zin	C08
9	1570414982	Implementation of Universal Dynamic Bandwidth Allocation Algorithm in Smart Grid Environment	Mohammad Azmi Ridwan	C09
10	1570416310	Influence of Raman Pump Direction on the Performance of Serial Hybrid Fiber Amplifier in C+L-Band	Fairuz Abdullah	C10
11	1570416656	Novel Carrier Extraction for Pump Phase-Locking to Polarized PDM-PCTWs in Phase-Sensitive Optical Amplifier	Yasuhiro Okamura	C11
12	1570416676	Performance Characterization of Photonics Millimeter Wave Carrier Generation for RoF System	Nurul Hamida Awang	C12
13	1570416783	Mode and Loss Analysis of an Ultra-Small Graded-Index Strip Waveguide for Multimode Datacenter Application	Darpan Mishra	C13
14	1570416859	CBU Dynamic Bandwidth Allocation with Broadcom CATV Traffic Pattern	Nur Asfahani Ismail	C14
15	1570416987	Investigation on Performance of Large Area Low Loss Fiber in High Capacity Multichannel Systems	Sirisha Jeripothula	C15
16	1570417326	OFDM Transmission in A Converged 60 GHz MMW RoF over OFDM-PON	Taha Dahawi	C16
17	1570400062	Development of Tapered Fiber Sensor Coated with Pd and Au Nanocomposite Layer for Detection Aqueous of	Ali Talah	D01
18	1570405802	Fiberized Silicon Devices for All-Optical Signal Processing	Fariza Hanim Suhailin	D02
19	1570406324	Photonic Integrated Circuit Design and Packaging for Submarine Optical Amplification	Giovanni de Farias	D03
20	1570406487	High Energy L-band Femtosecond Fiber Laser with Carbon Nanotube Saturable Absorber	Lau Kuen Yao	D04
21	1570406922	Integrated Optical Fiber: A Fresh Approach to Planar Photonics	Christopher Holmes	D05
22	1570407160	Ductile Mode Dicing for Integrated Optics Facet Preparation	Lewis Carpenter	D06
23	1570408060	Velocity Measurement by Self-Mixing Laser Diode Using Direct Modulation	Amalina Athira Ibrahim	D07
24	1570413160	Fabrication and Properties of Alumina Doped Silica Preform Prepared by MCVD Solution Doping and Chelate	Khairul Anuar Mat Sharif	D08
25	1570414031	Hybrid Integration of a Tunneling Diode and a 1310 nm DFB Semiconductor Laser	Yajie Li	D09
27	1570414734	Cascaded Dual Drive MZM and Dual Parallel MZM Architecture for Optical Linearization of MZM Nonlinearity	Shankar Duraikannan	D10
28	1570414885	Enhancing Optical Millimeter Waves Signal in Radio over Fiber System by Stimulated Brillouin Scattering	Muhd Haziq Bin Mazelan	D11
29	1570414934	Fabrication and Characterization of a Bismuth-doped Phosphosilicate Fiber	Amilia Mansoor	D12
30	1570414948	"1 Versus N" Optical Pin Splitter for Optical Printing Circuit Board	Nur Najahatul Huda Saris	D13
31	1570414950	Optical Coupling Device by UV-Curable Resin for Optical Printed Wiring Board	Nurul Atiqah Baharudin	D14
32	1570414957	Characterizing Inhibitor Content of Transformer Oil in the UV-Visible Waveband	Leong Yang Sing	D15
33	1570415197	Multiwavelength Brillouin-erbium Fiber Laser in Linear Cavity	Mirsa Azhan	D16
34	1570416880	Design of a Grating Assisted Mode-Division Multiplexer	Manoranjan Minz	D17
35	1570416903	Experimental Analyses of Confined Thermal Effect on Chirped Fiber Bragg Grating	Noor Shafikah Md Rodzi	D18
36	1570416922	Polarization and Probe Power Optimisation in Brillouin Optical Time Domain Analysis System	Muhammad Lukman Jamaludin	D19
37	1570402547	FDTD Study of Monocrystalline Solar Cells Performance Coated by Silver Nanoparticles	Salah Eldin Hassab Elnaby	M01
38	1570407251	Design and Modelling of PANDA Ring Resonator Structure	Rohan Katti	M02
39	1570413309	Eigen-Mode Expansion Analysis of Mode Propagation in Tapered Single Mode Fiber	Mas Izyani Md Ali	M03
40	1570413779	Three-dimensional (3D) Reconstruction of Range Gated Imaging	Sing Yee Chua	M04
41	1570414859	FDTD Analysis of an MIS Nanostructure Based Room-Temperature Plasmonic Laser	Md Islam	M05
42	1570414965	Design and Simulation of Two-Dimensional (2D) Gallium Nitride (GaN) Photonic Crystal on Sapphire	Nur Dalila Mohd Zamani	M06
43	1570416422	On the Probability Density Function of the Signal Strength in Free-Space Optical Communications Systems with	Kamran Kiasaleh	M07
44	1570416662	Formation of quasi-2D Layered Crystallite Using Long Chain Halide to Form Hybrid Perovskite Film	Rebecca Leong	M08
45	1570413790	Application of Erbium-Doped Fibre Laser Dynamics in Pipeline Leak Detection and Location Estimation	Sin Ling Woon	S01
46	1570414519	Etched Fiber Bragg Grating Sensor for Nitrate Sensing Application	Nazirah Mohd Razali	S02
47	1570414721	Differential Cross Spectrum Technique for Improving the Spatial Resolution of BOTDR Sensor	Mohd Saiful Dzulkefly Zan	S03
48	1570414819	High Temperature Sensor Based on Tapered Few Modes All-Solid Photonic Bandgap Fiber	Siti Noraina Sanusidin	S04
49	1570414951	Pipeline Monitoring and Vibrational Sensing Using Loop Integrated Mach Zehnder Interferometer Optical Fibe	Wen Hao Png	S05
50	1570414969	Sensitivity Enhancement of 1-D Photonic Crystal by Waveguide Width Variation for Biosensing Application	Mohamad Hazwan Haron	S06
51	1570414970	Assessment of Palm Oil Fruit Bunch Maturity Based on Diffuse Reflectance Spectroscopy Technique	Latifah Supian	S07
52	1570414971	Detection of Power Transformer Fault Conditions Using Optical Characteristics of Transformer Oil	Nur Afini Fauzi	S08
53	1570414978	Signal to Noise Improvement Ratio of TDM-FBG Sensor Based on Golay Complementary Codes	Mohamed Elgaud	S09
54	1570415722	Design of Optical Frequency Domain Reflectometer (OFDR) Interferometer Based on Fiber Bragg Grating (FBG)	Ahmad Faris Aiman Asha'ari	S10