

Poster Presentation 2 (Session B& C)

Present Time and Duration: **13:00-14:30**, October 19

Location: E-13 Lobby

Poster dimensions :100 cm high x 80 cm wide.(MAXIMUM)

Easychair No.	ISNST2017 ID	Authors	Title
6	B-P-28	Yang Hsu-Ping and Li Ching-Shiang	OBJECT DETECTION FOR IMAGE TRACKING APPLICATION
26	B-P-01	Mei-Li Chen, Chien-Min Cheng and Kai-Huang Chen	Characteristics of the Resistive Switching Properties in Samarium Oxide Memory Devices
27	B-P-02	Mei-Li Chen, Chien-Min Cheng and Kai-Huang Chen	Resistive switching properties in samarium oxide resistance random access memories
28	C-P-01	Mei-Li Chen and Sheng-Chang Wang	Synthesis and characterization of Tin Disulfide nanoparticles
29	C-P-02	Mei-Li Chen, Siang-Ru Huang and Sheng-Chang Wang	Synthesis and characterization of Tin Sulfide nanoparticles
30	C-P-03	Mei-Li Chen, Siang-Ru Huang and Sheng-Chang Wang	Synthesis and characterization of Graphene doped Tin Sulfide nanoparticles
31	C-P-04	Mei-Li Chen, Siang-Ru Huang and Sheng-Chang Wang	Synthesis and characterization of Graphene doped Tin Disulfide nanoparticles
32	C-P-05	Yi-Hsen Yeh, Po-Yi Chiang, Zheng Cong-Yuan and Chen Yen-Cheng	A Therorical Study of Fourth-Harmonic Multiplying Gyrotron Traveling-Wave Amplifiers
35	B-P-03	Yue-Han Tsai, Mei-Li Chen, Chien-Min Cheng, Kai-Huang Chen and Bo-Quan Xie	Transparent ITO Resistance Random Access Memory Devices
40	C-P-06	Yi-Sheng Yeh, Cong-Yuan Zheng, Po-Yi Chiang and Yen-Chen Cheng	A Sub-Terahertz Harmonic Large-Orbit Gyrotron Backward-Wave Oscillator
42	C-P-07	Li-Han Kao, Hon Kuan and Wen-Cheng Tzou	The study of Ga ₂ O ₃ and TiO ₂ thin film and distributed Bragg reflector structure by RF magnetron sputter system
48	C-P-08	Yung-Lan Yeh	Prototype Building of the Airborne Positioning System for UAV
50	C-P-09	Jeng-Feng Lin, Chih-Chieh Kang and Chihyin Chiang	Comparison Between Design and Measurement Results of DOEs
51	C-P-10	Jeng-Feng Lin, Chih-Chieh Kang and Chihyin Chiang	Comparison of Light Extraction Efficiency of Sapphire Based and Bulk-GaN Based Flip-chip LEDS
59	B-P-04	Fu-Kun Chen and Yue-Dar Jou	On the fast root MUSIC algorithm
60	B-P-29	Yang Hsu-Ping and Li Ching-Shiang	STANDARD LASER SAILBOAT DETECTION AND TRACKING APPLICATION

61	B-P-05	Jenq-Ruey Horng, Guo-Hong Lu and Chuan-Yong Xia	Smart Remote Power Monitoring and Control System
62	B-P-30	Yu-Lin Jeng and Yong-Ming Huang	IMPLEMENTATION OF REAL-TIME FEEDBACK MOBILE APP ON WEARABLE DEVICE
68	B-P-06	Yang-Yan Chen and Wen-Shan Chen	DESIGN OF GPS AND SDARS BAND CIRCULAR POLARIZATION ANTENNA
69	B-P-39	Guan-Quan Lin, Ting-Yan Zhuo and Wen-Shan Chen	Design of mimo LTE Three-band antennas for laptop applications
74	B-P-07	Shih-Fong Lee, Ming-Yi Huang and Jung-Chuan Fan	Dependence of the threshold voltage on the oxide thickness in a metal-oxide-semiconductor (MOS) system
81	B-P-08	Jiesi Jheng, Chun-Kai Wang, Yu-Zung Chiou, Sheng-Po Chang and S. J. Chang	The Study of Optical and Response Characteristics in GaN-Based Blue Light-Emitting Diodes With an Electron Transmission Layer
82	B-P-09	Ting-Jen Hsueh, Sheng-Po Chang, Sheng-Siang Huang, Yu-Zung Chiou, Chun-Kai Wang, Shih-Tsong-Shing Lee, Shao-En Huang, Chih-Yang Chiu, Te-Chun Hung and Kai-Wei Wang	Fabrication of WO ₃ sensing material as the MEMS type NO gas sensors
83	B-P-10		Compensator Design Technique for Boost-Based DC/DC Converter with Enhanced Closed-Loop Control Mechanism
89	C-P-11	Kuen-Hsien Wu, Song-En Lan and Yan-Lin Zheng	Nanoparticle-Embedded Oxidized Nanoporous Silicon Thin Films for Ultra-Violet Optical-Sensing Applications
93	C-P-12	Kuen-Hsien Wu, Yan-Lin Zheng and Song-En Lan	Chemical Sensing Devices based on Porosity-Modulated Multilayer Structures of Porous Silicon
95	C-P-13	Liang-Yu Chen, Shung-Jing Lu, Wen-Cheng Tzou and Hon Kuan	Investigation of ZnO-TiO ₂ Distributed Bragg Reflector by Sol-Gel Spin Coating
98	C-P-14	Jeng-Feng Lin, Chih-Chieh Kang and Ya-Ting Tsai	Simulation of Light Extraction Efficiency of Thin-Film GaN Micro-LEDs
101	C-P-15	Bo-Lin Lin, Kai-Hsuan Li and Ruey-Ching Twu	BBO Compact Displacement Sensor for Optical Displacement Measurements
102	C-P-45	Wen-Yao Chen, Hui-Ling Huang and Che-Min Mi	Sewage Discharge Control and Monitoring based on PLC and HMI
103	C-P-16	Jing-Jie Wang, Hon Kuan and Wen-Cheng Tzou	The zinc oxide nanorod seed layer was developed at low temperature of gallium nitride light-emitting diodes by dip coating / spin coating
109	C-P-17	Jhe-Yong Guo, Meng-Shan Wu and Cheng-Ling Lee	A novel sensitive fiber-optic tilt sensor based on a taper-shaped polymer
110	B-P-11	Whai-Wen Hu and Yun-Tai Hsueh	Automatic PSTN Line Of Response Control Line Echo Cancellation
112	C-P-18	Meng-Yuan Wang, Meng-Shan Wu and Cheng-Ling Lee	Fiber Mach-Zehnder Interferometer Using a Polymer Filled Hollow Core Fiber for Sensing Temperature
118	B-P-12	Chien-Chung Wu and Ho-Change Tsai	Implement Intelligent Power Plug with ESP8266

121	C-P-19	Wen-Yi Lin and Jun-Han Lin	Dynamic micro-air -bubbles drifted in a liquid core fiber affected by different materials
123	C-P-20	Geng-Wei Zhou, Ching-Ming Hsu, Kun-Chi Wu and Wen-Tuan Wu	Improvement of WVTR by Optimizing Affecting Factors for Calcium Test
125	C-P-21	Hsyi-En Cheng and Wen-Hao Hsieh	Aluminum Films Prepared by Two-Step Evaporation for High Quality Porous Anodic Alumina Templates
129	C-P-22	Yang-Yi Huang, Ching-Ming Hsu, Wen-Tuan Wu and Dong-Han Tsai	Improving Indium Tin Oxide Mechanical Flexibility Using Embedded Silver
136	C-P-46	Tsai Ming-Tsung, Chu Ching-Lung and Chin Cheng-Yi	Dual Phase-Shifted Control for the Dual-Active-Bridge DC-DC Converter
137	C-P-23	Wen-Tuan Wu, Chia-Ming Hsu, Chun-Fu Huang and Ching-Ming Hsu	N type Si/CNT Heterojunction Parameters Evaluation from Dark I-V Characteristics
138	C-P-47	Seng Chi Chen and Chun Yi Kuo	Recurrent Neural Network Sliding-Mode Fuzzy Controller for a Magnetic Levitation System
139	C-P-24	Chen Ruei-Tang, Wu Fong-Lang and Huang Guo-Hao	3D Dye-sensitized Solar Cells face recognition module
140	C-P-25	Ching-Dong Hsieh, Jun-Ying Chen and Yu-Jian Chang	The Influence of Side-chain Structure of Polymethacrylates on Liquid Crystal Alignment.
142	C-P-48	Wen-Hao Chang, Chia-Lun Hou, Yi-Chu Hsu, Ling-Sheng Jang and Min-Haw Wang	Single Cell Automatic Capture and Measurement based on 3D Electrode
143	C-P-49	Chin-Hao Huang, Jing-Yau Tang, Min-Haw Wang, Ling-Sheng Jang and Chun-Hong Chen	Breast Cancer cell by Low-Field Nuclear Magnetic Resonance T2 characterization study
144	C-P-50	Hao-Jha Fang, Kuan-Wei Chen, Jing-Yau Tang, Min-Haw Wang, Ling-Sheng Jang and Chun-Hong Chen	Effect of Extremely Low Frequency Electromagnetic Field on Cell Viability of Breast Cancer Cell MDA-MB-231
145	C-P-51	Nian-Bao Liang, Fa-Cheng Qu, Chi-Ren Chen, Chi-Hua Li and Yu-Cheng Fan	EEG Analysis and Control Chip Design
146	C-P-26	Chia-Chih Huang, Yueh-Chien Lee, Ming-Kuen Tsai and 承翰 吳	A simple plasmonic demultiplexer with a nanodisk utilizing two high-order modes
148	C-P-28	Sheng-Yao Hu, Yueh-Chien Lee, Ming-Kwen Tsai, Chia-Chih Huang, Cheng-Han Wu, Min-Chen-Yu Lai, Sheng-Hsiung Chang and Hon Kuan	Performance of Dye-Sensitized Solar Cells Using ZnO Nanopowder with Carbon Quantum Dots
152	C-P-29	Chen-Yu Lai, Sheng-Hsiung Chang and Hon Kuan	THE STUDY AND PRODUCTION OF 360° 3D TECHNOLOGY
153	C-P-30	Sheng-Hsiung Chang, Ta-Hsiung Cho and Zong-Han Wu	Technology of lens combinations applied to eyes correction devices
155	C-P-31	Jung-Chuan Fan, Yu-Che Tsai, Che-Pu Chen, Huang-Huei Sung, Li-Ying Lee and Shih-Fong	The Luminescence and Electrical Properties of the Porous Silicon
156	C-P-32	Jung-Chuan Fan, Che-Pu Chen, Yu-Che Tsai, Huang-Huei Sung, Li-Ying Lee and Shih-Fong	The Defect of Silicon-Base Semiconductor

158	B-P-13	Yu-Shang Chou, Yu-Ching Mo, Jian-Ping Su, Wan-Jung Chang, Liang-Bi Chen, Jing-Jou Tang	A Vehicular Diagnostic System based on LoRa Low Power Wide Area Networks
160	C-P-33	Yu Li, Sheng-Hsiung Chang and Chien-Sheng Huang	APPLICATION FOR 3D DISPLAY BY LIQUID ZOOM LENS
164	C-P-52	Wu Wen-Chang and Chen Yan-Rong	Preparation and Characterization of SDC/sulfate Composite Electrolyte for Low-Temperature Solid Oxide Fuel Cells
166	B-P-14	Poshen Tsou and Yuntai Hsueh	Design of the Loop Compensator for Forward Buck Converter
171	B-P-15	Jian-Ping Su, Cheng-An Wang, Yu-Ching Mo, Yu-Xiang Zeng, Wan-Jung Chang, Liang-Bi Chen	A Real-time IoT-based Cargos Monitoring & Management System for Intelligent Logistics Eco-Systems
172	B-P-16	Yu-Ching Mo, Ke-Yu Su, Liang-Bi Chen, Wen-Bin Kang, Wan-Jung Chang and Yun-Hui Liu	A Cloud-based Monitoring and Analysis System for Diagnosing High-Speed Spindle Vibrations
174	B-P-31	Chao-Yang Lee, Chi-Hwa Chen, Ja-Ching Chou, Jing-Shyang Hwu and Chih-Neng Liang	The Experiments of Connected Vehicle with ADAS for Intersection Safety
176	C-P-34	Ta-Hsiung Cho, Sheng-Hsiung Chang, Kun-Hsiang Chen, Li-Te Yin, Po-Yi Chen and Chien-	Light transmission spectrum comparison of blue light-filtering lenses
177	C-P-35	Liang-Yu Chen, Wen-Cheng Tzou and Kuan Hon	The Study of TiO ₂ :Nb Thin Films Prepared by Sol-Gel method and annealing treatment
178	C-P-53	Ching-Lung Chu, Ming-Tsung Tsai and Huang-Yi Wu	Analysis and Development of Phase-Shift Bidirectional Half-Full-Bridge DC/DC Converter with ZVS
181	B-P-32	Tz-Heng Hsu	A Cloud Health Management System for Personal Healthcare
182	B-P-17	Tz-Heng Hsu	SmartLamp: Design and Implement of a Intelligent Smart Home Iot Device
187	B-P-33	Rong-San Lin	Reduced Computational Complexity Scheme for G.723.1 Decoder
188	C-P-36	Chih-Cheng Kao, Yu-Ying Pan, Z.-J. Yu and H.-C. Huang	Development of intelligent wardrobe
189	C-P-37	Chih-Cheng Kao, Cheng-Kai Li and M.-F. Huang	Improvement of RFID transportation system
190	C-P-38	Chih-Cheng Kao, Y.-H. Chen and H.-J. Wu	Study of nano-sized CIGS material
196	C-P-39	Kun-Yauh Shih, Wei-Fang Lin and Tzu-Chieh Huang	Effect of Graphene on the luminescence property of BaSiO ₃ : Eu ³⁺ + phosphor
197	C-P-40	Kun-Yauh Shih, Wei-Fang Lin and Tzu-Chieh Huang	Effect of NaNO ₃ as flux on the luminescence property of BaSiO ₃ : Eu ³⁺ +
199	C-P-54	Kun-Yauh Shih and Yi-Shu Wang	Synthesis of Cobalt Ferrite/Graphene Nanocomposites and Their Electrochemical Properties

203	B-P-18	祐任 林 and 雲太 薛	Automated Optical Inspection For Component and Solder Joint On PCB
205	C-P-55	Kun-Yauh Shih, Tzu-Chieh Huang and Yu-I Wu	Synthesis of Pt-Ni/reduced graphene oxide composites with microwave assisted for direct methanol fuel cell applications
207	C-P-41	Kun-Yauh Shih, Shen-Wen Li and Tzu-Chieh Huang	Luminescence characteristics of Zn _{1.99} SiO ₄ :0.01Mn ²⁺ with fluxes
208	C-P-42	Kun-Yauh Shih, Shen-Wen Li and Tzu-Chieh Huang	Luminescence property of Zn _{1.99} SiO ₄ :0.01Mn ²⁺ doped with graphene by high energy grinding method
209	B-P-34	Cheng Shu-Chen and Lin Cheng Yi	To Develop an Automatic Plant Watering System and Using NodeMCU for Controlling
211	C-P-56	Fute Lai, Ming-Shyan Wang and Yu-Te Huang	Cooling of Four-in-one Air Flow Multiplier
212	B-P-19	S. H. Chen, C. K. Wang, Y. Z. Chiou, K. C. Hung and J. S. Jheng	The Investigation of Efficiency Droop in GaN-Based Blue Light-Emitting Diode Using Hole Injection Layer with Different Mg-doped Concentrations
213	B-P-20	S. H. Kao, C. K. Wang, Y. Z. Chiou and Y. H. Hsu	The Study of Optical Properties of Nitride-Based Blue, Green, and Near Ultraviolet Light-Emitting Diodes
214	B-P-21	Z. X. Xu, C. K. Wang, Y. Z. Chiou and Y. W. Wang	Investigation of Nitride-Based Blue and Near Ultraviolet Flip Chip Light-Emitting Diodes
215	C-P-43	Shih-Hsiang Lu, Jia-Rung Hou and Yu-Ming Chen	Measurement of temperature and humidity of Polymer microsphere in a microcavity hollow core fiber Fabry-Pérot interferometer
217	B-P-35	Yen-Ting Chen, Chun-Ju Hou and Yu-Lun Tseng	The Design of Automatic Monitoring of an Aquaponics System Based on Image Processing Techniques
218	B-P-22	Zih-Wei Liang, Huang-Huei Sung, Tia-Xin Ren and Jung-Chuan Fan	Effect of Channel Width of ZnO Field Effect Transistor
222	B-P-23	Hui-Wen Liu, Chien-Hui Chuang, Tzu-Yi Liao, Yuan-Hsiang Chang, Ting-Lan Lin and Shih-	An Efficient Local Dimming Backlight Control Algorithm for Liquid Crystal Displays
225	B-P-36	Shan-Yang Wang and Chia-Nian Shyi	A Novel Method to Solve the Steel Cutting Problem
226	B-P-37	Tung-Yung Huang and Bou-Yu Ke	Examination of the hysteresis of a DC Motor
228	B-P-38	Jyun-Wei Wu and Lian-Jou Tsai	Long Lasting Mini-UAV photography system
231	B-P-24	Jui-Yuan Lin and Yi-Syuan Zhao	Adaptive Nonlinear Predistortion Filter in OFDM Systems
235	C-P-44	Sheng-Hsiung Chang, Heng-Yau Pan, Kuo-Kuang Chen and Bin-Shiu Hsieh	The Study of 3D Anti-glare Elements with High Brightness
240	B-P-40	Chien-Chung Wu and Yi-Chieh Hsu	The case study of capturing images for the dynamic pedestrian traffic sign

250	B-P-25	Manjunatha Gangareddy, Chun-Tang Chao, Chi-Jo Wang and Juing-Shian Chiou	The CAN Protocol Based Smart Seat Design for Vehicles
256	B-P-26	Da-Huei Lee, Fuh-Cheng Jong, Jhih-Kai Chang, Rui-Yo Huang and Chien- Min Cheng	Little Amount LiF Doped (Ba _{0.95} Ca _{0.05})(Ti _{1-x} Sn _x)O ₃ Lead-free Piezoelectric Ceramics
258	B-P-27	Rui-Yo Huang, Kuan-Yu Chen, Fuh-Cheng Jong and Chien-Min Cheng	Dielectric and Piezoelectric Properties of Li _{0.058} (K _{0.48} Na _{0.535}) _{0.966} (Nb _{0.9} Ta _{0.1})O ₃ Lead-Free Ceramics