

Program Overview of ISNE 2017

Tuesday, May 23rd, 2017 (@ NTOU)		
11:30-13:30	Check in/ Registration (Light Food and Drinks Provided)	
13:30-15:30	Opening Ceremony & Keynote Lecture (First Lecture Hall, Conference Center, NTOU, 1F) 13:30 Opening Ceremony VIP Speech 13:50 Keynote Speech by Dr. Juin J. Liou <i>Electrostatic Discharge (ESD) Protection for RF/High-Speed Integrated Circuits: Challenges and Solutions</i> Chairs: Prof. Ming-Cheng Cheng and Prof. Chung Cheng Chang 14:40 Keynote Speech by Prof. Frank Schwier <i>Two-Dimensional Electronic Materials – Opportunities and Challenges</i> Chairs: Prof. Ming-Cheng Cheng and Prof. Chung Cheng Chang	
15:30-16:00	Coffee Break	
16:00-17:00	<u>Session Tu1A</u> Room A, 1F	<u>Session Tu1B</u> Room B, 2F
17:10-19:00	Welcome Reception	
Wednesday, May 24th, 2017 (@ NMMST)		
08:30-09:00	Check in/ Registration	
09:00-10:30	<u>Session W1A</u> Room C, 1F	<u>Session W1B</u> Room D, 1F
10:30-10:50	Coffee Break	
10:50-12:20	<u>Session W2A</u> Room C, 1F	<u>Session W2B</u> Room D, 1F
12:20-13:30	Lunch Break	
13:30-15:00	<u>Session W3A</u> Room C, 1F	<u>Session W3B</u> Room D, 1F
15:00-15:30	Coffee Break	
15:30-17:00	<u>Session W4A</u> Room C, 1F	<u>Session W4B</u> Room D, 1F
18:00-20:30	Banquet (@ Evergreen Laurel Hotel, Keelung) (The Peng's Gourmet & Banquet, 5F)	
Thursday, May 25th, 2017 (@ NMMST)		
08:30-09:00	Check in/ Registration	
09:00-10:30	<u>Session Th1A</u> Room C, 1F	<u>Session Th1B</u> Room D, 1F
10:30-11:00	Coffee Break	
11:00-12:30	<u>Session Th2A</u> Room C, 1F	<u>Session Th2B</u> Room D, 1F
12:30-	Thanks a lot for your attendance & May you have a good time. (Feel-Free tour @ <u>NMMST</u> with registration certificate)	

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ROOM A: The First Auditorium, NTOU

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ROOM C: NMMST F114

ROOM D: NMMST F115

Exhibition Hall: NMMST Education Center 1F Hall

Technical Program of ISNE 2017 (for **Oral** presenters)

Date: **Tuesday (PM), May 23rd, 2017** (@ [NTOU](http://www.ntou.edu.tw))

Time/Session (Room)	Conf. #	Titles
		Authors
16:00-17:00 Session: Tu1A Chair: Shih-Hsiang Hsu (Room A, 1F)	T1-01O-15	Decoupled Tunneling and GIDL Effects for 28nm High-k Stacked nMOSFETs Mu-Chun Wang, Ko-Chin Hsu, Jin-Wei Guo, Heng-Sheng Huang, Shuang-Yuan Chen and Shea-Jue Wang
	T1-02O-18	ESD-Immunity Evaluations of a 40 V nLDMOS with Embedded SCRs in the Drain Side Shen-Li Chen, Chih-Ying Yen, Chih-Hung Yang, Yi-Cih Wu, Kuei-Jyun Chen, Yu-Lin Lin, Yi-Hao Chiu, Yi-Hao Chao, Hung-Wei Chen, Dylan Chen, Marty Lo, Jia-Ming Lin, Chun-Ting Kuo and Jen-Hao Lo
	T1-03O-19	Study of AlGa_N/GaN High Electron Mobility Transistors (HEMTs) with AlGaO_x and SiO₂ Dielectric Layers Ching-Hong Chang, Wei-Cheng Chen, Kai-Chieh Chuang, Yue-Chang Lin, Yen-Ming Huang and Wen-Chau Liu
	T1-04O-20	Hydrogen sensing performance of AlGa_N/GaN heterostructure-based Schottky diodes at room-temperature Wei-Cheng Chen, Ching-Hong Chang, Yu-Chih Cheng, Huey-Ing Chen, Hsin-Hau Lu, Pu-Yuan Ke and Wen-Chau Liu
16:00-17:00 Session: Tu1B Chair: Pee-Yew Lee (Room B, 2F)	T1-05O-22	A New Average Static Power Model for Quadruple-gate FETs (QGFET) Working in Subthreshold Logic gate Hong-Wun Gao
	T1-06O-24	Bandgap Dependence of Short-Channel Effects in Tunnel Field-Effect Transistors Nguyen Dang Chien, Chun-Hsing Shih, Hung-Jin Teng and Cong-Kha Pham
	T1-07O-31	I-V Model of Nano nMOSFETs Incorporating Drift and Diffusion Current Wei-Lun Wang, Heng-Sheng Huang, Yu-Hao Chao, Shuang-Yuan Chen, Shea-Jue Wang, Fu-Yuan Duan and Mu-Chun Wang
	T1-08O-37	A analytical study of depth profiling for MeV implants by using Monte Carlo and Taurus models Shaik Mastanbasheer, Gene Sheu, Muntha Sai Dheeraj, Suman Jaiswal and Syed Neyaz Imam

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Date: **Wednesday (AM), May 24th, 2017** (@ [NMMST](#))

Time/Session (Room)	Conf. #	Titles
		Authors
09:00-10:30 Session: W1A Chair: Shih-Hao Huang Co-Chair: Jia-Chy Wu (Room C, 1F)	T4-01O-47	Design of a Low-Cost Level-Triggered Zigbee Network Multi-Application Sensor in Smart Homes Wei-Hong Jhang, Liang-Bi Chen, Wan-Jung Chang, Che-Ching Yang and Chao-Tang Yu
	T4-02O-69	Laser Beam Enlargement for Indoor Optical Wireless Transmission Guan-Hong Chen, Yi-Lin Yu, Huai-Ching Wang, Hsiang Wang and Shien-Kuei Liaw
	T4-03O-70	Study on Laser-Based Indoor Optical Wireless Communication and Sensing Ting Yi Chia, Lin Yen Ting, Yu Yi Lin, Cheng Chao Yang and Liaw Shien Kuei
	T4-04O-73	Campus-wide Wireless Indoor Positioning with Hybrid iBeacon and Wi-Fi System Shu-Yui Bai, Ching-Chieh Chiu, Jen-Chieh Hsu and Jenq-Shiou Leu
09:00-10:30 Session: W1B Chair: Chien-Ming Chen (Room D, 1F)	Invited:01	The Challenges of Ultrathin Gate Dielectrics for the Ultimate Nano CMOS Technology Prof. Hei Wong (City U. of Hong Kong, China)
	T2-02O-08	6 Transistor and 1 Memristor based Memory Kazi Fatima Sharif and Riazul Islam
	T2-03O-35	Low Loss Semicircular Slotted Microstrip Patch Antenna for ISM Band Application Anamika Banwari, Nagaraj Acharya, Manish Kumar Sharma and Sanjeev
	T2-04O-54	Rectangular Substrate Integrated Waveguide With Negligible Losses for Multiband Applications Anamika Banwari, Nagaraj Acharya, Manish Kumar Sharma and Sanjeev Saxena
10:30-10:50	Coffee Break	
10:50-12:20 Session: W2A Chair: Ya-Ju Lee Co-Chair: Shih-Wei Tan (Room C, 1F)	Invited:02	The Semiconductor Device Design and Simulation for BCD Integration Process Prof. Gene Sheu (Asia University, Taichung, Taiwan)
	T2-05O-07	A Wide Range Quadrature Injection-Locked Frequency Divider Wen Cheng Lai
	T2-06O-62	CMOS VCO with Three-Path Inductor Wen Cheng Lai
	T2-07O-74	New Activity-Driven Clock Tree Design Methodology for Low Power Clock Gating Chen-Hsien Lin, Shih-Hsu Huang , Jia-Hong Jian and Xin-Jia Chen
10:50-12:20 Session: W2B Chair: Duo Sheng Co-Chair: Yeu-Fang Kuo	Invited:03	A Reduced-Order Based Methodology for Effective Simulation of Micro- and Nano-Scale Device and Circuit Structures Prof. Ming-Cheng Cheng (Clarkson University, New NY., USA)
	T2-08O-76	A Broadband and High Isolation Quasi-Circulator by Phase Cancellation Technique Si-Da Tang, Yi-Lun Tsai, Chih-Ming Lin and Yeong-Her Wang
	T2-09O-81	A Methodology for Thermal Simulation from Gate-Level to Architecture Design Ming-Cheng Cheng and Wangkun Jia

Time/Session (Room)	Conf. #	Titles
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(Room D, 1F)	T2-010-06	Low Power Transformer Coupled VCO for Wearable Sensor Applications Wen Cheng Lai
12:20-13:30	Lunch Break	

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Time/Session (Room)	Conf. #	Titles Authors
13:30-15:00 Session: W3A Chair: Tsung-Hui Tsai (Room C, 1F)	Invited:04	Si MIS Tunnel Diodes for Sensing Applications Prof. Jenn-Gwo Hwu (Electrical Eng., National Taiwan University)
	T3-01O-26	Reliability Study of Amorphous InGaZnO Thin-film Transistors Chia-Chun Yen, Zheng-Lun Feng and Cheewee Liu
	T3-02O-30	Voltage-Polarity Dependence of Sensing Properties of Structured Au-GaN-Pt Hydrogen Sensors Hao Lo, Chieh Lo, Shih-Wei Tan and Wen-Shiung Lou
	T3-03O-46	FPGA design and verification for lossless ECG coding compression Chen Wen-Jie, Lu Chih-Cheng and Jiang Yi-Hong
13:30-15:00 Session: W3B Chair: Nai-Hsiang Sun Co-Chair: Chia-Yao Lo (Room D, 1F)	T5-01O-39	Analysis of Hollow-Core Photonic Crystal Fiber Jung-Sheng Chiang, Jia-Ming Syu, Jr-Shian Shie, Wei-Chih Wang and Nai-Hsiang Sun
	T5-04O-85	Simulation of Combined Gratings Nai-Hsiang Sun, Yi-Ming Wang and Jung-Sheng Chiang
	T5-05O-86	Radiation in Bragg Condition Nai-Hsiang Sun, Guan-Yu Lin and Jung-Sheng Chiang
15:00-15:30	Coffee Break	
15:30-17:00 Session: W4A Chair: Shui-Hsiang Su Co-Chair: Chun-I Wu (Room C, 1F)	Invited:05	Invention of Wide Locking Range CMOS Divide-by-3 Injection-Locked Frequency Dividers Prof. Sheng-Lyang Jang (National Taiwan U. of Science & Technology)
	T5-02O-49	Pressurized growth of vertical ZnO nanorods UV photodetectors by hydrothermal growth Kuan Yu Chen, Zi-Hao Wang, Chih-Chiang Yang, Hsin-Chieh Yu, Yan-Kuin Su, Jian-Long Ruand and Cheng-Chung Lin
	T5-03O-79	The improvement on power conversion efficiency of perovskite solar cells with an electron transporting layer Xin Hong Huang, Shui Hsiang Su, Meng Cheng Yeh and Meiso Yokoyama
15:30-17:00 Session: W4B Chair: Jen-Jie Chieh Co-Chair: Yao-Liang Chung (Room D, 1F)	Invited:06	Energy Efficient Streaming for Smartphone by Video Adaptation and Backlight Control Prof. Jenq-Shiou Leu (National Taiwan U. of Science & Technology)
	T3-04O-68	A novel application of green (La,Ce,Tb)PO₄:Ce:Tb phosphor on the luminous efficacy and color quality of white LEDs Nguyen Doan Quoc Anh and Nguyen Thi Phuong Thao
	T3-05O-72	Green-emitting (La,Ce,Tb)PO₄:Ce:Tb phosphor: a novel solution for an increase in color homogeneity of white LEDs Nguyen Doan Quoc Anh and Nguyen Thi Phuong Thao
	T3-06O-87	Output Modes of a Semiconductor Laser Diode with Two Circular Resonators Ming Hao Wang, Li-Heng Chen and Ming Chang Shih
18:00-20:30	Banquet (@ Evergreen Laurel Hotel, Keelung) (The Peng's Gourmet & Banquet, 5F)	

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Date: **Thursday (AM), May 25th, 2017** (@ [NMMST](#))

Time/Session (Room)	Conf. #	Titles
		Authors
09:00-10:30 Session: Th1A Chair: Shang-Pin Ma Co-Chair: Chia-Hong Huang (Room C, 1F)	T1-09O-45	Conventional 100V UMOS Technology With Deeper P+ to Improve Ids
		Krishnasai Sriramadasu, Gene Sheu, Chirag Aryadeep, Selvendran Sivaji, Shaik Mastanbasheer, Muntha Sai Dheeraj, Suman Jaiswal, Syed Neyaz Imam and Po-An Chen
	T1-10O-77	300 Mrad total-ionizing-dose tolerance of a holographic memory on an optically reconfigurable gate array
Yoshizumi Ito, Minoru Watanabe and Akifumi Ogiwara		
T2-10O-88	Error injection analysis for triple modular and 5-modular redundancies	
	Ryo Terada and Minoru Watanabe	
09:00-10:30 Session: Th1B Chair: Horng-Yi Chang Co-Chair: Bor-Jiunn Wen (Room D, 1F)	Invited:07	Holographic Wavelength Selective Switching Platform for High Capacity Telecoms and Data Centres
		Dr. Haining Yang (Principal Engineer @ ROADMap Systems Ltd., Cambridge, UK)
	T1-11O-78	Effect of alkaline earth metal on AZrO_x (A=Mg, Sr, Ba) memory application
		Ke-Jing Lee, Yu-Chi Chang, Li-Wen Wang, Cheng-Jung Lee and Yeong-Her Wang
	T7-03O-66	Improved-PSO based Extreme Learning Machine for Hand Gesture Recognition
Alreza Pradanta Bagus Budiarsa and Jenq-Shiou Leu		
T8-01O-48	Multi-Channel High Current-Balancing LED Driver for Intelligent	
	Min-Chiao Yeh, Po-Han Lin, Yung-Hsnan Chen and Poki Chen	
10:30-10:50	Coffee Break	
10:50-12:20 Session: Th2A Chair: Shien-Kuei Liaw Co-Chair: Jian-Chiun Liou (Room C, 1F)	Invited:08	Study of Er/Yb co-doped fiber lasers in 1550 nm band
		Prof. Shien-Kuei Liaw (National Taiwan U. of Science & Technology)
	T1-13O-89	Radiation tolerance experiments for a motor controller
Takumi Hatamochi and Minoru Watanabe		
T6-03O-11	A Rapid detection technology of EVA encapsulant and backsheet for solar module	
	Hsin-Hsin Hsieh, Yu-Hsien Lee, Yu-Tai Li, En-Yun Wang, Hung-Sun Wu and Pee-Yew Lee	
10:50-12:20 Session: Th2B Chair: Chau-Chang Chou Co-Chair: Yi-Zeng Hsieh	Invited:09	A New Device-Physics-Based Average DC Power Model for Quadruple-Gate MOSFET Working on Low-Power CMOS Subthreshold Logic Gates
		Prof. Te-Kuang Chiang (EE dept., National University of Kaohsiung)
	T7-01O-32	Flex sensor for stroke patients identify the specific behavior with different bending situations
Jian-Chiun Liou and Kuan-Wen Fang		
T7-02O-33	Non-invasive Psychological signal Measurement with Photoelectric sensor	

Time/Session (Room)	Conf. #	Titles
(Room D, 1F)		Authors
12:20-		<p>Jian-Chiun Liou and Kuan-Wen Fang</p> <p>Thanks a lot for your attendance & May you have a good time. (Feel-Free tour @ NMMST with registration certificate)</p>

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Technical Program of ISNE 2017 (for **Poster** presenters)

Date: **Wednesday (AM), May 24th, 2017** (@ [NMMST](#))

Time/Session (Room)	Conf. #	Titles
		Authors
09:00-12:20 Session: WIPoster Chair: Cheng-Kai Lin (Exhibition Hall, 1F)	T1-14P-05	Electrical characterization of p-type metal-oxide thin film Guan Lin Liou, Po Chun Chen, Yu Chien Chiu, Zhi Wei Zheng, Hsiao Hsuan Hsu, Chun Hu Cheng , Yung Hsien Wu and Chun Yen Chang
	T1-14P-12	DIBL Effect Gauging the Integrity of Nano-node n-channel FinFETs Mu-Chun Wang, Zih-Yang Rao, Hao-Yi Liu, Fu-Yuan Tuan, Wen-Shiang Liao and Wen-How Lan
	T1-14P-13	VT Implant Energy Impacting DIBL and Punch-through Effects of Nano-node n-channel FinFETs on SOI Wafers Mu-Chun Wang, Ting-Wei Chao, Chao-Yen Chen, Fu-Yuan Tuan, Yu-Jung Liao and Shea-Jue Wang
	T1-14P-23	Electrical Stress Probing Recovery Efficiency of 28nm HK/MG nMOSFETs under Different Nitrogen Concentration in Nitridation Fu-Yuan Tuan, Shun-Ping Sung, Hong-Jie Chen, Shea-Jue Wang, Heng-Sheng Huang and Mu-Chun Wang
	T1-14P-25	Voltage Stress Exposing Degradation Rate of 28nm HK/MG nMOSFETs under Different Nitridation Annealing Temperatures Fu-Yuan Tuan, Shun-Ping Sung, Tzu-Hao Hsieh, Ching-Tang Chang, Shuang-Yuan Chen and Mu-Chun Wang
	T1-14P-28	Isolation Integrity of Drain/Gate Contact Exposed with Source/Drain Extension Length for SOI p-channel FinFETs Zih-Yang Rao, Mu-Chun Wang , Jun-Wen Cai, Fu-Yuan Tuan, Wen-Shiang Liao and Wen-How Lan
	T1-14P-29	Amorphous carbon process optimization to increase hard mask and lithographic capabilities by its step coverage improvement Chun Chi Lai
	T1-14P-34	Effects of thermal treatment on the ellipsoidal damaged region left by focused helium ion beam in Si substrate Che-Wei Yang, Wei-Chieh Chen, Chieh Chou and Hao-Hsiung Lin
	T1-14P-36	The DIBL Effect of SOI p-channel FinFETs under Various SDE Lengths Mu-Chun Wang, Wen-Yang Huang, Jia-Hong Lin, Fu-Yuan Tuan, Yu-Tsung Liao and Wen-How Lan
	T1-14P-38	Design for Hot-Carrier Reliability of HV UMOS Chirag Aryadeep, Gene Sheu, Selvendran Sivaji, Suman Jaiswal, Krishnasai Sriramadasu, Shaik Mastanbasheer, Muntha Sai Dheeraj and Po-An Chen
	T1-14P-40	Linear P-top technology for 600-800 V Ultra High voltage BCD Integration Process Krishna Sai Sriramadasu, Gene Sheu, Selvendran Sivaji, Shaik Mastanbasheer and Ching-Yuan Wu
	T2-11P-27	Low-power Low-noise inductorless Front-end for IoT applications Yu-Chu Yang and Jeng-Rern Yang
	T2-11P-44	A Temperature-Compensated Variable CMOS Current Reference with High Immunity to Supply Voltage Variation Jie-Ru Bai, Chia-An Chen, Setiawan Sapta and Poki Chen
	T2-11P-50	A High Accuracy Two-Dimensional FPGA Vernier Time-to-Digital Converter Based on PLL Delay Matrix Jian-Ting Lan, Yi-Su Chung and Poki Chen
	T2-11P-55	An Industrial Design Methodology for The Synthesis of OCV-Aware Top-Level Clock Tree Hsu-Yu Kao, Yu Lee, Shih-Hsu Huang , Wei-Kai Cheng and Yih-Chih Chou
12:20-13:30	Lunch Break	

Date: **Wednesday (PM), May 24th, 2017** (@ [NMMST](#))

13:30-17:00	Conf. #	Titles
		Authors
Session: W2Poster Chair: Cheng-Kai Lin (Exhibition Hall, 1F)	T2-11P-60	Low Power Class-C VCO Using Dynamic Body Biasing Wen Cheng Lai
	T3-08P-10	Polarization effect on p-type GaN/AlN Enhancement- HEMT Characteristics Shao-Yen Chiu and Shih-Po Lin
	T3-09P-14	Deposition Study of Zinc Oxide by Spray Pyrolysis with Zinc Formate and Zinc Acetate precursors Jeng-Lung Chen, Che-Chi Lee and Wen-How Lan
	T3-10P-17	Deposition Temperature Study of Nitrogen-doped Zinc Oxide by Spray Pyrolysis Che-Chi Lee, Jeng-Lung Chen, Wen-How Lan and Mu-Chun Wang
	T3-11P-21	AlGaIn/GaN MOS-HEMTs with Composite TiO₂/Al₂O₃ Gate Oxides by Using Ultrasonic Spray Pyrolysis Deposition Method Ching-Sung Lee, Yu-Chang Chen and Sheng-Ting Yang
	T3-12P-92	Ultra-low Thermal Coefficiency Superfluorescent Source Operating in 1550 nm Band Hsiang Wang, Yeng-Hong Lu, Tsung-Yu Lu, Ren-Young Liu and Shien-Kuei Liaw
	T4-05P-67	A Work-Efficient Algorithm for Garbage Collection Yi-Wen Peng, Tien-Hsing Hsu and Wei-Mei Chen
	T4-06P-75	Performance Evaluation of a Multicast Optical Ethernet Switch Based on SDN and SOA Technologies Yuh-Jiuh Cheng, Yhi Shiau and Bor-Tauo Chen
	T4-07P-93	Fast and Low-Power Behavior Analysis on Vehicles Using Smartphones Xiaoqing Xu, Shouyi Yin and Peng
	T5-07P-51	Simulation Analysis of GaN-based Ring Resonators for Whisper Gallery Mode Laser Shyh Jer Huang, Hao Cyuan Jhang, I Lun Cheng, Yan Kuin Su, Jian-Long Ruan and Cheng-Chung Lin
	T5-08P-52	A Dynamic-Biased Armstrong Class-C Voltage-Controlled Oscillator Sheng-Lyang Jang, Ji-Shin Chiou and Wen-Cheng Lai
	T5-09P-53	Concentration effect of Au nanoparticle coating on ZnO nanorods glucose biosensor Zi-Hao Wang, Chih-Chiang Yang, Hsin-Chieh Yu, Yan-Kuin Su, Jian-Long Ruand and Cheng-Chung Lin
	T5-10P-56	A Novel Buffer Structure of Cu(In,Ga)Se₂ Solar Cells for Industrial Applications Jia-Jer Ho, Shih-Cheng Chang, Song-Yeu Tsai and Jyh-Jier Ho
	T1-12P-83	Maleic-PEGX-SR3 thin films for polymer light-emitting devices Jia-Ming Wang, Cheng-Yen Liu, Chung-Cheng Chang and Chia-Hong Huang
	T5-06P-57	Comparison Between the Different NiOx Hole Transporting Layer Made by Sputtering and Solution Process in Perovskite Light Emitting Diodes Shyh Jer Huang, I Lun Cheng, Hao Cyuan Jhang, Yan Kuin Su, Jian-Long Ruan and Cheng-Chung Lin
	T5-14P-84	Leaky waveguides with active media in silicon photonics Nai-Hsiang Sun, Cheng-Hsiung Tsai and Po-Jui Chiang
T5-15P-91	The problem of pattern overlapping for Laser Color Marking Shih-Chiang Lin, Min-Yu Tsai, Ho-Hsuan Chang, Tsung-Cheng Wu and Nai-Hsiang Sun	
18:00-20:30	Banquet (@ Evergreen Laurel Hotel, Keelung) (The Peng's Gourmet & Banquet, 5F)	

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Date: **Thursday (AM), May 25th, 2017** (@ [NMMST](#))

9:00-12:20	Conf. #	Titles
		Authors
Session: W3Poster Chair: Cheng-Kai Lin (Exhibition Hall, 1F)	T5-11P-63	Enhancement of optoelectronic properties on AZO thin film deposited by Intermittent Process treatment Yen-Sheng Lin and Ling-Yu Kuo
	T5-12P-80	The Deposition of Cathode for Transparent Organic Light-Emitting Diode Yu-Sheng Tsai, De-Gang Wang, Fuh-Shyang Juang, Wu-Xing Lin, Pei-Hsen Yeh and Bing-Rui Wu
	T5-13P-82	Realibility of GaN-Based LEDs Package under differnet current with UV curing encapsulation Shu-Lin Wu, Chun-Liang Lin, Yaw-Hwang Chen and Yu-Cheng Lan
	T6-01P-01	Proximity Capacitive Gesture Recognition for a RBP Neural Network Chao-Ting Chu, Chao-Hsi Chang, Tsung-Jui Chang, Jing-Xin Liao and Pei-Kai Liao
	T6-07P-03	A Dynamic Gray Model Prediction Fall Detection Signal Analysis Chao-Ting Chu, Chao-Hsi Chang, Tsung-Jui Chang and Hong-Wei Li
	T6-02P-04	Elman Neural Network Identify Elders Fall Signal base on Second-order Train Method Chao-Ting Chu, Chao-Hsi Chang, Tsung-Jui Chang and Jing-Xin Liao
	T6-04P-16	Real Time Bluetooth Human Interface with MSP432 Control in Active Magnetic Bearing System Huann-Keng Chiang, Yung-Sheng Chang, Chao-Ting Chu and Tsung-Jui Chang
	T6-08P-41	A Exponential Smoothing Gray Prediction Fall Detection Signal Analysis in Wearable Device Chao-Ting Chu, Huann-Keng Chiang, Gung-Tsann Chang, Hong-Wei Li and Tsung-Jui Chang
	T6-05P-42	Non-Invasive Optical Heart Rate Monitor base on One Chip Integration Microcontroller Solution Chao-Ting Chu, Chian-Cheng Ho, Kuen-Rong Lo, Gung-Tsann Chang, Chao-Hsi Chang and Ming-Che Ho
	T6-06P-43	The Packet Neural Network Identify and Analysis Elders Fall Situation Chao-Ting Chu, Huann-Keng Chiang, Chao-Hsi Chang, Hong-Wei Li and Tsung-Jui Chang
	T6-09P-71	Simultaneously Measuring Liquid Parameters Using Fiber Bragg Gratings and Long Period Fiber Gratings Chih-En Wang, Bo-Wei Chen, Hsin-Wei Huang, Yi-Lin Yu and Shien-Kuei Liaw
	T7-04P-64	Remote Physical Activity Recognition based on Wearable EMG Device Xanno Sigalingging and Jenq-Shiou Leu
	T7-05P-65	A study of voice parameter measurements with PZT thin film acoustic sensor Zheng-Min Luo, Chung-Cheng Chang and Chung-Hui Lin
	12:30-	Thanks a lot for your attendance & May you have a good time. (Feel-Free tour @ NMMST with registration certificate)

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[ROOM D](#): NMMST F115

[Exhibition Hall](#): NMMST Education Center 1F Hall