

Program Overview of ISNE 2017

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|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------|
| Tuesday, May 23 rd , 2017 (@ NTOU) | | | |
| 11:30-13:30 | Check in/ Registration (Light Food and Drinks Provided) | | |
| 13:30-15:10 | 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 Electrostatic Discharge (ESD) Protection for RF/High-Speed Integrated Circuits: Challenges and Solutions Chairs: Prof. Ming-Cheng Cheng and Prof. Chung Cheng Chang | | |
| | 14:30 Keynote Speech by Prof. Frank Schwierz Two-Dimensional Electronic Materials – Opportunities and Challenges Chairs: Prof. Ming-Cheng Cheng and Prof. Chung Cheng Chang | | |
| | | | |
| 15:10-15:40 | Coffee Break | | Exhibition, 1F |
| 15:40-17:10 | Session Tu1A Room A, 1F | Session Tu1B Room B, 2F | |
| 17:10-19:00 | Welcome Reception | | |
| Wednesday, May 24 th , 2017 (@ NMMST) | | | |
| 08:00-09:00 | Check in/ Registration | | |
| 09:00-10:30 | Session W1A Room C, 1F | Session W1B Room D, 1F | Session: W1Poster (Exhibition, 1F) Chair: Prof. Cheng-Kai Lin |
| 10:30-11:00 | Coffee Break | | |
| 11:00-12:30 | Session W2A Room C, 1F | Session W2B Room D, 1F | |
| 12:30-14:00 | Lunch Break | | |
| 14:00-15:30 | Session W3A Room C, 1F | Session W3B Room D, 1F | Session: W2Poster (Exhibition, 1F) Chair: Prof. Cheng-Kai Lin |
| 15:30-16:00 | Coffee Break | | |
| 16:00-17:30 | Session W4A Room C, 1F | Session W4B Room D, 1F | |
| 18:00-20:30 | Banquet (@ Evergreen Laurel Hotel, Keelung) (The Peng's Gourmet & Banquet, 5F) | | |
| Thursday, May 25 th , 2017 (@ NMMST) | | | |
| 08:00-09:00 | Check in/ Registration | | |
| 09:00-10:30 | Session Th1A Room C, 1F | Session Th1B Room D, 1F | Session: W3Poster (Exhibition, 1F) Chair: Prof. Cheng-Kai Lin |
| 10:30-11:00 | Coffee Break | | |
| 11:00-12:30 | Session Th2A Room C, 1F | Session Th2B Room D, 1F | |
| 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 A](#): NTOU First Lecture Hall

[ROOM B](#): NTOU Second Lecture Hall

[ROOM C](#): NMMST F114

[ROOM D](#): NMMST F115

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

Date: **Tuesday (PM)**, **May 23rd**, 2017 (@ [NTOU](#))

| Time/Session (Room) | Conf. # | Titles |
|-------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | Authors |
| 15:40-17:10 Session: Tu1A (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 AlGaIn/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 AlGaIn/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 |
| 15:40-17:10 Session: Tu1B (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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Technical Program of ISNE 2017 (for **Oral** presenters)

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

| Time/Session (Room) | Conf. # | Titles |
|------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | Authors |
| 09:00-10:30 Session: W1A (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 (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 |
| 10:30-11:00 | | Coffee Break |
| 11:00-12:30 Session: W2A (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 |
| 11:00-12:30 Session: W2B (Room D, 1F) | 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 |
| | T2-01O-06 | Low Power Transformer Coupled VCO for Wearable Sensor Applications Wen Cheng Lai |
| 12:30-14:00 | | Lunch Break |

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

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

| Time/Session (Room) | Conf. # | Titles Authors |
|------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14:00-15:30 Session: W3A (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 |
| 14:00-15:30 Session: W3B (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 |
| | T5-02O-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 |
| | | Coffee Break |
| 15:30-16:00 Session: W4A (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) |
| | T5-04O-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 |
| | T5-06O-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 |
| 16:00-17:30 Session: W4B (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-47 | 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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Technical Program of ISNE 2017 (for **Oral** presenters)

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

| Time/Session (Room) | Conf. # | Titles |
|-------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | Authors |
| 09:00-10:30 Session: Th1A (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 (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 |
| | T1-12O-83 | Maleic-PEGX-SR3 thin films for polymer light-emitting devices Jia-Ming Wang, Cheng-Yen Liu, Chung-Cheng Chang and Chia-Hong Huang |
| 10:30-11:00 | | Coffee Break |
| 11:00-12:30 Session: Th2A (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 |
| | T8-01O-48 | Multi-Channel High Current-Balancing LED Driver for Intelligent Min-Chiao Yeh, Po-Han Lin, Yung-Hsuan Chen and Poki Chen |
| 11:00-12:30 Session: Th2B (Room D, 1F) | Invited:09 | 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 Jian-Chiun Liou and Kuan-Wen Fang |
| | T7-03O-66 | Improved-PSO based Extreme Learning Machine for Hand Gesture Recognition Alrezza Pradanta Bagus Budiarsa and Jeng-Shiou Leu |
| 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

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

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

| Time/Session (Room) | Conf. # | Titles |
|-------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | Authors |
| 09:00-12:30 Session: W1Poster (Exhibition, 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 |
| 12:30-14:00 | | Lunch Break |

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

| | | |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14:00-17:30 Session: W2Poster (Exhibition, 1F) | Conf. # | Titles Authors |
| | 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 Coefficient 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 |
| 18:00-20:30 | Banquet (@ Evergreen Laurel Hotel, Keelung) (The Peng's Gourmet & Banquet, 5F) | |

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

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

| 9:00-12:30 Session: W3Poster (Exhibition, 1F) | Conf. # | Titles Authors |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | |
| | 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 |
| | 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 |
| | T6-01O-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 |
| | T6-02O-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 |
| | T6-04O-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 |
| | T6-05O-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 |
| | T6-06O-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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