

## Program Overview of ISNE 2017

Tuesday, May 23 <sup>rd</sup> , 2017 (@ <a href="#">NTOU</a> )			
13:00-13:20	Check in/ Registration		
13:20-15:10	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 <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 14:30 Keynote Speech by Prof. Frank Schwierz <i>Two-Dimensional Electronic Materials – Opportunities and Challenges</i> Chairs: Prof. Ming-Cheng Cheng and Prof. Chung Cheng Chang		
15:10-15:40	Coffee Break		Exhibition, 1F
15:40-17:10	<a href="#">Session Tu1A</a> Room A, 1F	<a href="#">Session Tu1B</a> Room B, 2F	
17:10-19:00	Welcome Reception		
Wednesday, May 24 <sup>th</sup> , 2017 (@ <a href="#">NMMST</a> )			
08:00-09:00	Check in/ Registration		
09:00-10:30	<a href="#">Session W1A</a> Room C, 1F	<a href="#">Session W1B</a> Room D, 1F	Session: <a href="#">W1Poster</a> (Exhibition, 1F)
10:30-11:00	Coffee Break		
11:00-12:30	<a href="#">Session W2A</a> Room C, 1F	<a href="#">Session W2B</a> Room D, 1F	Chair: Prof. Cheng-Kai Lin
12:30-14:00	Lunch Break		
14:00-15:30	<a href="#">Session W3A</a> Room C, 1F	<a href="#">Session W3B</a> Room D, 1F	Session: <a href="#">W2Poster</a> (Exhibition, 1F)
15:30-16:00	Coffee Break		
16:00-17:30	<a href="#">Session W4A</a> Room C, 1F	<a href="#">Session W4B</a> Room D, 1F	Chair: Prof. Cheng-Kai Lin
18:00-20:30	<b>Banquet</b> (@ <a href="#">Evergreen Laurel Hotel, Keelung</a> ) (The Peng's Gourmet & Banquet, 5F)		
Thursday, May 25 <sup>th</sup> , 2017 (@ <a href="#">NMMST</a> )			
08:00-09:00	Check in/ Registration		
09:00-10:30	<a href="#">Session Th1A</a> Room C, 1F	<a href="#">Session Th1B</a> Room D, 1F	Session: <a href="#">W3Poster</a> (Exhibition, 1F)
10:30-11:00	Coffee Break		
11:00-12:30	<a href="#">Session Th2A</a> Room C, 1F	<a href="#">Session Th2B</a> Room D, 1F	Chair: Prof. Cheng-Kai Lin
12:30-14:00	Thanks a lot for your attendance & May you have a good time. (Feel-Free tour @ <a href="#">NMMST</a> with registration certificate)		

[NTOU](#): National Taiwan Ocean Univ., No 2, Pei-ning Rd., Keelung 20224, Taiwan (Tel: +886-2-24622192).

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[ROOM A](#): NTOU First Lecture Hall

[ROOM C](#): NMMST F114

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

[ROOM D](#): NMMST F115

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

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

Time/Session (Room)	Conf. #	Titles
		Authors
<b>16:00-17:30</b> Session: <b>Tu1A</b>  (Room A, 1F)	<b>T1-01O-15</b>	<b>Decoupled Tunneling and GIDL Effects for 28nm High-k Stacked nMOSFETs</b> Mu-Chun Wang, Ko-Chin Hsu, Jin-Wei Guo, Heng-Sheng Huang, Shuang-Yuan Chen and Shea-Jue Wang
	<b>T1-02O-18</b>	<b>ESD-Immunity Evaluations of a 40 V nLDMOS with Embedded SCRs in the Drain Side</b> 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
	<b>T1-03O-19</b>	<b>Study of AlGaIn/GaN High Electron Mobility Transistors (HEMTs) with AlGaO<sub>x</sub> and SiO<sub>2</sub> Dielectric Layers</b> Ching-Hong Chang, Wei-Cheng Chen, Kai-Chieh Chuang, Yue-Chang Lin, Yen-Ming Huang and Wen-Chau Liu
	<b>T1-04O-20</b>	<b>Hydrogen sensing performance of AlGaIn/GaN heterostructure-based Schottky diodes at room-temperature</b> Wei-Cheng Chen, Ching-Hong Chang, Yu-Chih Cheng, Huey-Ing Chen, Hsin-Hau Lu, Pu-Yuan Ke and Wen-Chau Liu
<b>16:00-17:30</b> Session: <b>Tu1B</b>  (Room B, 2F)	<b>T1-05O-22</b>	<b>A New Average Static Power Model for Quadruple-gate FETs (QGFET) Working in Subthreshold Logic gate</b> Hong-Wun Gao
	<b>T1-06O-24</b>	<b>Bandgap Dependence of Short-Channel Effects in Tunnel Field-Effect Transistors</b> Nguyen Dang Chien, Chun-Hsing Shih, Hung-Jin Teng and Cong-Kha Pham
	<b>T1-07O-31</b>	<b>I-V Model of Nano nMOSFETs Incorporating Drift and Diffusion Current</b> Wei-Lun Wang, Heng-Sheng Huang, Yu-Hao Chao, Shuang-Yuan Chen, Shea-Jue Wang, Fu-Yuan Duan and Mu-Chun Wang
	<b>T1-08O-37</b>	<b>A analytical study of depth profiling for MeV implants by using Monte Carlo and Taurus models</b> Shaik Mastanbasheer, Gene Sheu, Muntha Sai Dheeraj, Suman Jaiswal and Syed Neyaz Imam

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**ROOM A:** NTOU First Lecture Hall

**ROOM C:** NMMST F114

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**ROOM D:** NMMST F115

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

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

Time/Session (Room)	Conf. #	Titles
		Authors
<b>09:00-10:30</b> Session: <b>W1A</b>  (Room C, 1F)	<b>T4-01O-47</b>	<b>Design of a Low-Cost Level-Triggered Zigbee Network Multi-Application Sensor in Smart Homes</b> Wei-Hong Jhang, Liang-Bi Chen, Wan-Jung Chang, Che-Ching Yang and Chao-Tang Yu
	<b>T4-02O-69</b>	<b>Laser Beam Enlargement for Indoor Optical Wireless Transmission</b> Guan-Hong Chen, Yi-Lin Yu, Huai-Ching Wang, Hsiang Wang and Shien-Kuei Liaw
	<b>T4-03O-70</b>	<b>Study on Laser-Based Indoor Optical Wireless Communication and Sensing</b> Ting Yi Chia, Lin Yen Ting, Yu Yi Lin, Cheng Chao Yang and Liaw Shien Kuei
	<b>T4-04O-73</b>	<b>Campus-wide Wireless Indoor Positioning with Hybrid iBeacon and Wi-Fi System</b> Shu-Yui Bai, Ching-Chieh Chiu, Jen-Chieh Hsu and Jenq-Shiou Leu
<b>09:00-10:30</b> Session: <b>W1B</b>  (Room D, 1F)	<b>Invited:01</b>	<b>The Challenges of Ultrathin Gate Dielectrics for the Ultimate Nano CMOS Technology</b> Prof. Hei Wong (City U. of Hong Kong, China)
	<b>T2-02O-08</b>	<b>6 Transistor and 1 Memristor based Memory</b> Kazi Fatima Sharif and Riazul Islam
	<b>T2-03O-35</b>	<b>Low Loss Semicircular Slotted Microstrip Patch Antenna for ISM Band Application</b> Anamika Banwari, Nagaraj Acharya, Manish Kumar Sharma and Sanjeev
	<b>T2-04O-54</b>	<b>Rectangular Substrate Integrated Waveguide With Negligible Losses for Multiband Applications</b> Anamika Banwari, Nagaraj Acharya, Manish Kumar Sharma and Sanjeev Saxena
<b>10:30-11:00</b>		<b>Coffee Break</b>
<b>11:00-12:30</b> Session: <b>W2A</b>  (Room C, 1F)	<b>Invited:02</b>	<b>The Semiconductor Device Design and Simulation for BCD Integration Process</b> Prof. Gene Sheu (Asia University, Taichung, Taiwan)
	<b>T2-05O-07</b>	<b>A Wide Range Quadrature Injection-Locked Frequency Divider</b> Wen Cheng Lai
	<b>T2-06O-62</b>	<b>CMOS VCO with Three-Path Inductor</b> Wen Cheng Lai
	<b>T2-07O-74</b>	<b>New Activity-Driven Clock Tree Design Methodology for Low Power Clock Gating</b> Chen-Hsien Lin, Shih-Hsu Huang, Jia-Hong Jian and Xin-Jia Chen
<b>11:00-12:30</b> Session: <b>W2B</b>  (Room D, 1F)	<b>Invited:03</b>	<b>A Reduced-Order Based Methodology for Effective Simulation of Micro- and Nano-Scale Device and Circuit Structures</b> Prof. Ming-Cheng Cheng (Clarkson University, New NY., USA)
	<b>T2-08O-76</b>	<b>A Broadband and High Isolation Quasi-Circulator by Phase Cancellation Technique</b> Si-Da Tang, Yi-Lun Tsai, Chih-Ming Lin and Yeong-Her Wang
	<b>T2-09O-81</b>	<b>A Methodology for Thermal Simulation from Gate-Level to Architecture Design</b> Ming-Cheng Cheng and Wangkun Jia
	<b>T2-01O-06</b>	<b>Low Power Transformer Coupled VCO for Wearable Sensor Applications</b> Wen Cheng Lai
<b>12:30-14:00</b>		<b>Lunch Break</b>

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

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<b>14:00-15:30</b> Session: <b>W3A</b>  (Room A, 1F)	<b>Invited:04</b>	<b>Si MIS Tunnel Diodes for Sensing Applications</b> <b>Prof. Jenn-Gwo Hwu</b> (Electrical Eng., National Taiwan University)
	<b>T3-01O-26</b>	<b>Reliability Study of Amorphous InGaZnO Thin-film Transistors</b> <b>Chia-Chun Yen</b> , Zheng-Lun Feng and Cheewee Liu
	<b>T3-02O-30</b>	<b>Voltage-Polarity Dependence of Sensing Properties of Structured Au-GaN-Pt Hydrogen Sensors</b> <b>Hao Lo</b> , Chieh Lo, Shih-Wei Tan and Wen-Shiung Lou
	<b>T3-03O-46</b>	<b>FPGA design and verification for lossless ECG coding compression</b> <b>Chen Wen-Jie</b> , Lu Chih-Cheng and Jiang Yi-Hong
<b>14:00-15:30</b> Session: <b>W3B</b>  (Room D, 1F)	<b>T5-01O-39</b>	<b>Analysis of Hollow-Core Photonic Crystal Fiber</b> <b>Jung-Sheng Chiang</b> , Jia-Ming Syu, Jr-Shian Shie, Wei-Chih Wang and Nai-Hsiang Sun
	<b>T5-02O-49</b>	<b>Pressurized growth of vertical ZnO nanorods UV photodetectors by hydrothermal growth</b> <b>Kuan Yu Chen</b> , Zi-Hao Wang, Chih-Chiang Yang, Hsin-Chieh Yu, Yan-Kuin Su, Jian-Long Ruand and Cheng-Chung Lin
	<b>T5-03O-79</b>	<b>The improvement on power conversion efficiency of perovskite solar cells with an electron transporting layer</b> <b>Xin Hong Huang</b> , Shui Hsiang Su, Meng Cheng Yeh and Meiso Yokoyama
		<b>Coffee Break</b>
<b>15:30-16:00</b> Session: <b>W4A</b>  (Room C, 1F)	<b>Invited:05</b>	<b>Invention of Wide Locking Range CMOS Divide-by-3 Injection-Locked Frequency Dividers</b> <b>Prof. Sheng-Lyang Jang</b> (National Taiwan U. of Science & Technology)
	<b>T5-04O-85</b>	<b>Simulation of Combined Gratings</b> <b>Nai-Hsiang Sun</b> , Yi-Ming Wang and Jung-Sheng Chiang
	<b>T5-05O-86</b>	<b>Radiation in Bragg Condition</b> <b>Nai-Hsiang Sun</b> , Guan-Yu Lin and Jung-Sheng Chiang
	<b>T5-06O-57</b>	<b>Comparison Between the Different NiOx Hole Transporting Layer Made by Sputtering and Solution Process in Perovskite Light Emitting Diodes</b> <b>Shyh Jer Huang</b> , I Lun Cheng, Hao Cyuan Jhang, Yan Kuin Su, Jian-Long Ruan and Cheng-Chung Lin
<b>16:00-17:30</b> Session: <b>W4B</b>  (Room D, 1F)	<b>Invited:06</b>	<b>Energy Efficient Streaming for Smartphone by Video Adaptation and Backlight Control</b> <b>Prof. Jenq-Shiou Leu</b> (National Taiwan U. of Science & Technology)
	<b>T3-04O-68</b>	<b>A novel application of green (La,Ce,Tb)PO4:Ce:Tb phosphor on the luminous efficacy and color quality of white LEDs</b> <b>Nguyen Doan Quoc Anh</b> and Nguyen Thi Phuong Thao
	<b>T3-05O-72</b>	<b>Green-emitting (La,Ce,Tb)PO4:Ce:Tb phosphor: a novel solution for an increase in color homogeneity of white LEDs</b> <b>Nguyen Doan Quoc Anh</b> and Nguyen Thi Phuong Thao
	<b>T3-06O-47</b>	<b>Output Modes of a Semiconductor Laser Diode with Two Circular Resonators</b> <b>Ming Hao Wang</b> , Li-Heng Chen and <b>Ming Chang Shih</b>
<b>18:00-20:30</b>		<b>Banquet</b> (@ <a href="#">Evergreen Laurel Hotel, Keelung</a> ) ( <a href="#">The Peng's Gourmet &amp; Banquet, 5F</a> )

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**ROOM D**: NMMST F115

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

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

Time/Session (Room)	Conf. #	Titles
		Authors
<b>09:00-10:30</b> Session: <b>Th1A</b>  (Room C, 1F)	<b>T1-09O-45</b>	<b>Conventional 100V UMOS Technology With Deeper P+ to Improve Ids</b> Krishnasai Sriramadasu, Gene Sheu, Chirag Aryadeep, Selvendran Sivaji, Shaik Mastanbasheer, Muntha Sai Dheeraj, Suman Jaiswal, Syed Neyaz Imam and Po-An Chen
	<b>T1-10O-77</b>	<b>300 Mrad total-ionizing-dose tolerance of a holographic memory on an optically reconfigurable gate array</b> Yoshizumi Ito, Minoru Watanabe and Akifumi Ogiwara
	<b>T2-10O-88</b>	<b>Error injection analysis for triple modular and 5-modular redundancies</b> Ryo Terada and Minoru Watanabe
<b>09:00-10:30</b> Session: <b>Th1B</b>  (Room D, 1F)	<b>Invited:07</b>	<b>Holographic Wavelength Selective Switching Platform for High Capacity Telecoms and Data Centres</b> <b>Dr. Haining Yang</b> (Principal Engineer @ ROADMap Systems Ltd., Cambridge, UK)
	<b>T1-11O-78</b>	<b>Effect of alkaline earth metal on AZrO<sub>x</sub> (A=Mg, Sr, Ba) memory application</b> Ke-Jing Lee, Yu-Chi Chang, Li-Wen Wang, Cheng-Jung Lee and Yeong-Her Wang
	<b>T1-12O-83</b>	<b>Maleic-PEGX-SR3 thin films for polymer light-emitting devices</b> Jia-Ming Wang, Cheng-Yen Liu, Chung-Cheng Chang and Chia-Hong Huang
<b>10:30-11:00</b>		<b>Coffee Break</b>
<b>11:00-12:30</b> Session: <b>Th2A</b>  (Room C, 1F)	<b>Invited:08</b>	<b>Study of Er/Yb co-doped fiber lasers in 1550 nm band</b> <b>Prof. Shien-Kuei Liaw</b> (National Taiwan U. of Science & Technology)
	<b>T1-13O-89</b>	<b>Radiation tolerance experiments for a motor controller</b> Takumi Hatamochi and Minoru Watanabe
	<b>T6-03O-11</b>	<b>A Rapid detection technology of EVA encapsulant and backsheet for solar module</b> Hsin-Hsin Hsieh, Yu-Hsien Lee, Yu-Tai Li, En-Yun Wang, Hung-Sun Wu and Pee-Yew Lee
	<b>T8-01O-48</b>	<b>Multi-Channel High Current-Balancing LED Driver for Intelligent</b> Min-Chiao Yeh, Po-Han Lin, Yung-Hsuan Chen and Poki Chen
<b>11:00-12:30</b> Session: <b>Th2B</b>  (Room D, 1F)	<b>Invited:09</b>	<b>Prof. Te-Kuang Chiang</b> (EE dept., National University of Kaohsiung)
	<b>T7-01O-32</b>	<b>Flex sensor for stroke patients identify the specific behavior with different bending situations</b> Jian-Chiun Liou and Kuan-Wen Fang
	<b>T7-02O-33</b>	<b>Non-invasive Psychological signal Measurement with Photoelectric sensor</b> Jian-Chiun Liou and Kuan-Wen Fang
	<b>T7-03O-66</b>	<b>Improved-PSO based Extreme Learning Machine for Hand Gesture Recognition</b> Alrezza Pradanta Bagus Budiarsa and Jeng-Shiou Leu
<b>12:30-</b>		<b>Thanks a lot for your attendance &amp; May you have a good time.</b> (Feel-Free tour @ <a href="#">NMMST</a> with registration certificate)

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

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

Time/Session (Room)	Conf. #	Titles
		Authors
<b>09:00-12:30</b>  Session: <b>W1Poster</b>  (Exhibition, 1F)	<b>T1-14P-05</b>	<b>Electrical characterization of p-type metal-oxide thin film</b> Guan Lin Liou, Po Chun Chen, Yu Chien Chiu, Zhi Wei Zheng, Hsiao Hsuan Hsu, <b>Chun Hu Cheng</b> , Yung Hsien Wu and Chun Yen Chang
	<b>T1-14P-12</b>	<b>DIBL Effect Gauging the Integrity of Nano-node n-channel FinFETs</b> <b>Mu-Chun Wang</b> , Zih-Yang Rao, Hao-Yi Liu, Fu-Yuan Tuan, Wen-Shiang Liao and Wen-How Lan
	<b>T1-14P-13</b>	<b>VT Implant Energy Impacting DIBL and Punch-through Effects of Nano-node n-channel FinFETs on SOI Wafers</b> <b>Mu-Chun Wang</b> , Ting-Wei Chao, Chao-Yen Chen, Fu-Yuan Tuan, Yu-Jung Liao and Shea-Jue Wang
	<b>T1-14P-23</b>	<b>Electrical Stress Probing Recovery Efficiency of 28nm HK/MG nMOSFETs under Different Nitrogen Concentration in Nitridation</b> Fu-Yuan Tuan, Shun-Ping Sung, Hong-Jie Chen, Shea-Jue Wang, Heng-Sheng Huang and <b>Mu-Chun Wang</b>
	<b>T1-14P-25</b>	<b>Voltage Stress Exposing Degradation Rate of 28nm HK/MG nMOSFETs under Different Nitridation Annealing Temperatures</b> Fu-Yuan Tuan, Shun-Ping Sung, Tzu-Hao Hsieh, Ching-Tang Chang, Shuang-Yuan Chen and <b>Mu-Chun Wang</b>
	<b>T1-14P-28</b>	<b>Isolation Integrity of Drain/Gate Contact Exposed with Source/Drain Extension Length for SOI p-channel FinFETs</b> Zih-Yang Rao, <b>Mu-Chun Wang</b> , Jun-Wen Cai, Fu-Yuan Tuan, Wen-Shiang Liao and Wen-How Lan
	<b>T1-14P-29</b>	<b>Amorphous carbon process optimization to increase hard mask and lithographic capabilities by its step coverage improvement</b> <b>Chun Chi Lai</b>
	<b>T1-14P-34</b>	<b>Effects of thermal treatment on the ellipsoidal damaged region left by focused helium ion beam in Si substrate</b> Che-Wei Yang, Wei-Chieh Chen, Chieh Chou and <b>Hao-Hsiung Lin</b>
	<b>T1-14P-36</b>	<b>The DIBL Effect of SOI p-channel FinFETs under Various SDE Lengths</b> <b>Mu-Chun Wang</b> , Wen-Yang Huang, Jia-Hong Lin, Fu-Yuan Tuan, Yu-Tsung Liao and Wen-How Lan
	<b>T1-14P-38</b>	<b>Design for Hot-Carrier Reliability of HV UMOS</b> <b>Chirag Aryadeep</b> , Gene Sheu, Selvendran Sivaji, Suman Jaiswal, Krishnasai Sriramadasu, Shaik Mastanbasheer, Muntha Sai Dheeraj and Po-An Chen
	<b>T1-14P-40</b>	<b>Linear P-top technology for 600-800 V Ultra High voltage BCD Integration Process</b> <b>Krishna Sai Sriramadasu</b> , Gene Sheu, Selvendran Sivaji, Shaik Mastanbasheer and Ching-Yuan Wu
	<b>T2-11P-27</b>	<b>Low-power Low-noise inductorless Front-end for IoT applications</b> <b>Yu-Chu Yang</b> and Jeng-Rern Yang
	<b>T2-11P-44</b>	<b>A Temperature-Compensated Variable CMOS Current Reference with High Immunity to Supply Voltage Variation</b> <b>Jie-Ru Bai</b> , Chia-An Chen, Setiawan Sapta and Poki Chen
	<b>T2-11P-50</b>	<b>A High Accuracy Two-Dimensional FPGA Vernier Time-to-Digital Converter Based on PLL Delay Matrix</b> <b>Jian-Ting Lan</b> , Yi-Su Chung and Poki Chen
	<b>T2-11P-55</b>	<b>An Industrial Design Methodology for The Synthesis of OCV-Aware Top-Level Clock Tree</b> Hsu-Yu Kao, Yu Lee, <b>Shih-Hsu Huang</b> , Wei-Kai Cheng and Yih-Chih Chou
<b>12:30-14:00</b>		<b>Lunch Break</b>

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

<b>14:00-17:30</b>	<b>Conf. #</b>	<b>Titles</b>
		<b>Authors</b>
<b>Session:</b> <b>W2Poster</b> (Exhibition, 1F)	<b>T2-11P-60</b>	<b>Low Power Class-C VCO Using Dynamic Body Biasing</b> Wen Cheng Lai
	<b>T3-08P-10</b>	<b>Polarization effect on p-type GaN/AlN Enhancement- HEMT Characteristics</b> Shao-Yen Chiu and Shih-Po Lin
	<b>T3-09P-14</b>	<b>Deposition Study of Zinc Oxide by Spray Pyrolysis with Zinc Formate and Zinc Acetate precursors</b> Jeng-Lung Chen, Che-Chi Lee and Wen-How Lan
	<b>T3-10P-17</b>	<b>Deposition Temperature Study of Nitrogen-doped Zinc Oxide by Spray Pyrolysis</b> Che-Chi Lee, Jeng-Lung Chen, Wen-How Lan and Mu-Chun Wang
	<b>T3-11P-21</b>	<b>AlGaIn/GaN MOS-HEMTs with Composite TiO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub> Gate Oxides by Using Ultrasonic Spray Pyrolysis Deposition Method</b> Ching-Sung Lee, Yu-Chang Chen and Sheng-Ting Yang
	<b>T3-12P-92</b>	<b>Ultra-low Thermal Coefficient Superfluorescent Source Operating in 1550 nm Band</b> Hsiang Wang, Yeng-Hong Lu, Tsung-Yu Lu, Ren-Young Liu and Shien-Kuei Liaw
	<b>T4-05P-67</b>	<b>A Work-Efficient Algorithm for Garbage Collection</b> Yi-Wen Peng, Tien-Hsing Hsu and Wei-Mei Chen
	<b>T4-06P-75</b>	<b>Performance Evaluation of a Multicast Optical Ethernet Switch Based on SDN and SOA Technologies</b> Yuh-Jiuh Cheng, Yhi Shiau and Bor-Tauo Chen
	<b>T4-07P-93</b>	<b>Fast and Low-Power Behavior Analysis on Vehicles Using Smartphones</b> Xiaoqing Xu, Shouyi Yin and Peng
	<b>T5-07P-51</b>	<b>Simulation Analysis of GaN-based Ring Resonators for Whisper Gallery Mode Laser</b> Shyh Jer Huang, Hao Cyuan Jhang, I Lun Cheng, Yan Kuin Su, Jian-Long Ruan and Cheng-Chung Lin
	<b>T5-08P-52</b>	<b>A Dynamic-Biased Armstrong Class-C Voltage-Controlled Oscillator</b> Sheng-Lyang Jang, Ji-Shin Chiou and Wen-Cheng Lai
	<b>T5-09P-53</b>	<b>Concentration effect of Au nanoparticle coating on ZnO nanorods glucose biosensor</b> Zi-Hao Wang, Chih-Chiang Yang, Hsin-Chieh Yu, Yan-Kuin Su, Jian-Long Ruand and Cheng-Chung Lin
	<b>T5-10P-56</b>	<b>A Novel Buffer Structure of Cu(In,Ga)Se<sub>2</sub> Solar Cells for Industrial Applications</b> Jia-Jer Ho, Shih-Cheng Chang, Song-Yeu Tsai and Jyh-Jier Ho
<b>18:00-20:30</b>	<b>Banquet</b> (@ <a href="#">Evergreen Laurel Hotel, Keelung</a> ) (The Peng's Gourmet & Banquet, 5F)	

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

Date: **Thursday (AM), May 25<sup>th</sup>, 2017** (@ **NMMST**)

<b>9:00-12:30</b>	<b>Conf. #</b>	<b>Titles</b>
		<b>Authors</b>
<b>Session:</b> <b>W3Poster</b>  (Exhibition, 1F)	<b>T5-11P-63</b>	<b>Enhancement of optoelectronic properties on AZO thin film deposited by Intermittent Process treatment</b> Yen-Sheng Lin and Ling-Yu Kuo
	<b>T5-12P-80</b>	<b>The Deposition of Cathode for Transparent Organic Light-Emitting Diode</b> Yu-Sheng Tsai, De-Gang Wang, Fuh-Shyang Juang, Wu-Xing Lin, Pei-Hsen Yeh and Bing-Rui Wu
	<b>T5-13P-82</b>	<b>Realibility of GaN-Based LEDs Package under differnet current with UV curing encapsulation</b> Shu-Lin Wu, Chun-Liang Lin, Yaw-Hwang Chen and Yu-Cheng Lan
	<b>T5-14P-84</b>	<b>Leaky waveguides with active media in silicon photonics</b> Nai-Hsiang Sun, Cheng-Hsiung Tsai and Po-Jui Chiang
	<b>T5-15P-91</b>	<b>The problem of pattern overlapping for Laser Color Marking</b> Shih-Chiang Lin, Min-Yu Tsai, Ho-Hsuan Chang, Tsung-Cheng Wu and Nai-Hsiang Sun
	<b>T6-01O-01</b>	<b>Proximity Capacitive Gesture Recognition for a RBP Neural Network</b> Chao-Ting Chu, Chao-Hsi Chang, Tsung-Jui Chang, Jing-Xin Liao and Pei-Kai Liao
	<b>T6-07P-03</b>	<b>A Dynamic Gray Model Prediction Fall Detection Signal Analysis</b> Chao-Ting Chu, Chao-Hsi Chang, Tsung-Jui Chang and Hong-Wei Li
	<b>T6-02O-04</b>	<b>Elman Neural Network Identify Elders Fall Signal base on Second-order Train Method</b> Chao-Ting Chu, Chao-Hsi Chang, Tsung-Jui Chang and Jing-Xin Liao
	<b>T6-04O-16</b>	<b>Real Time Bluetooth Human Interface with MSP432 Control in Active Magnetic Bearing System</b> Huann-Keng Chiang, Yung-Sheng Chang, Chao-Ting Chu and Tsung-Jui Chang
	<b>T6-08P-41</b>	<b>A Exponential Smoothing Gray Prediction Fall Detection Signal Analysis in Wearable Device</b> Chao-Ting Chu, Huann-Keng Chiang, Gung-Tsann Chang, Hong-Wei Li and Tsung-Jui Chang
	<b>T6-05O-42</b>	<b>Non-Invasive Optical Heart Rate Monitor base on One Chip Integration Microcontroller Solution</b> Chao-Ting Chu, Chian-Cheng Ho, Kuen-Rong Lo, Gung-Tsann Chang, Chao-Hsi Chang and Ming-Che Ho
	<b>T6-06O-43</b>	<b>The Packet Neural Network Identify and Analysis Elders Fall Situation</b> Chao-Ting Chu, Huann-Keng Chiang, Chao-Hsi Chang, Hong-Wei Li and Tsung-Jui Chang
	<b>T6-09P-71</b>	<b>Simultaneously Measuring Liquid Parameters Using Fiber Bragg Gratings and Long Period Fiber Gratings</b> Chih-En Wang, Bo-Wei Chen, Hsin-Wei Huang, Yi-Lin Yu and Shien-Kuei Liaw
	<b>T7-04P-64</b>	<b>Remote Physical Activity Recognition based on Wearable EMG Device</b> Xanno Sigalingging and Jenq-Shiou Leu
	<b>T7-05P-65</b>	<b>A study of voice parameter measurements with PZT thin film acoustic sensor</b> Zheng-Min Luo, Chung-Cheng Chang and Chung-Hui Lin
<b>12:30-</b>	<b>Thanks a lot for your attendance &amp; May you have a good time.</b> (Feel-Free tour @ <b>NMMST</b> with registration certificate)	

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