

## The Best Poster Award

Poster No.	Symposium	Paper No.	Title	Authors	Affiliation	Address	Advisor
A2-P11	A2	0433	Oxide Semiconductor Materials for Photosensor and RRAM Applications	Ying-Jhan Hong <sup>1</sup> , Kai-Wei Lan <sup>1</sup> , Yu-Ming Hsu <sup>1</sup> , Chen-Te Chu <sup>1</sup> , Tri-Rung Yew <sup>1</sup>	<sup>1</sup> Department of Material Science and Engineering, National Tsing Hua University.	No. 101, Section 2, Kuang-Fu Road, Hsinchu, Taiwan 30013, R.O.C.	Tri-Rung Yew 游萃蓉
A3-P26	A3	0351	Oxide Growth Rate of (111), (100) and Random Copper Films at Low Temperatures for the Application of Cu-to-Cu Direct Bonding	Chih-Han Tseng <sup>1</sup> , Chih Chen <sup>1</sup>	<sup>1</sup> Dept of Materials Science and Engineering, National Chiao Tung University	1001 University Road, Hsinchu, Taiwan 300, ROC	Chih Chen 陳智
A4-P06	A4	0648	Directly Observation of the Switching Behaviors in VCM-based Ta <sub>2</sub> O <sub>5</sub> Resistive Random Access Memory	Jui-Yuan Chen <sup>1</sup> , Chun-Wei Huang <sup>1</sup> , Wen-Wei Wu <sup>1</sup>	<sup>1</sup> Department of Materials Science and Engineering, National Chiao Tung University.	1001 University Road, Hsinchu, Taiwan 300, ROC	Wen-Wei Wu 吳文偉
B1-P09	B1	0517	Earth-abundant Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> Solar Cells with Efficiency over 9% by Defect-controlled Engineering	Chih-Yang Huang <sup>1,2</sup> , Cheng-Ying Chen <sup>1*</sup> , Wei-Chao Chen <sup>1</sup> , Septia Kholimatussa'diah <sup>1</sup> , Kuei-Hsien Chen <sup>3</sup> and Li-Chyong Chen <sup>1*</sup>	<sup>1</sup> Center for Condensed Matter Sciences, National Taiwan University, Taipei, Taiwan.	No. 1, Sec. 4, Roosevelt Rd., Taipei 10617, Taiwan (R.O.C.)	Li-Chyong Chen 林麗瓊 (台大凝態中心)
B3-P21	B3	0452	Formation of pitch-based carbon microspheres and nanospheres by electrospray technique for anode materials of lithium-ion battery	C.Y. Chen <sup>1</sup> , C. Chirapornchai <sup>1</sup> , A.H. Liang <sup>1</sup> , C.S. Liu <sup>1</sup> , Y.Y. Li <sup>1</sup>	<sup>1</sup> Department of Chemical Engineering, National Chung Cheng University.	No.168, Sec. 1, University Rd., Minhsiung, Chiayi 62102, Taiwan (R.O.C.)	Y.Y. Li 李元堯 (中正化工)
C5-P01	C5	1084	Integrated Organic Bioelectronics: Self-Assembled Coronene Nanofiber Arrays for Efficient Isolation, Detection, and Recovery of Cancer Cells	Rou-Zhen Liu <sup>1</sup> , Yu-Sheng Hsiao <sup>1</sup>	<sup>1</sup> Department of Materials Engineering, Ming Chi University of Technology, New Taipei City, Taiwan.	84 Gungjuan Rd., Taishan Dist. New Taipei City 24301, Taiwan	Yu-Sheng Hsiao 蕭育生

D1-P18	D1	1089	A facile one-step process for high capacitive deionization performance of reduced graphene oxide/activated carbon composite electrodes	Y.T.Lai <sup>1</sup> , and N.H.Tai <sup>1</sup>	<sup>1</sup> Dept of Materials Science and Engineering, National Tsing-Hua University, Hsinchu, Taiwan.	No. 101, Section 2, Kuang-Fu Road, Hsinchu, Taiwan 30013, R.O.C.	Nyan-Hwa Tai 戴念華
D2-P08	D2	0538	Mechanically Tunable Flexible Ferroelectric System	Pao-Wen Shao <sup>1</sup> , Deng-Li Ko <sup>1</sup> , Ying-Hao Chu <sup>2</sup>	<sup>1</sup> Department of Materials Science and Engineering, National Chiao Tung University, Hsinchu, Taiwan, <sup>2</sup> Department of Materials Science and Engineering, National Chiao Tung University, Hsinchu, Taiwan, Department of Electrophysics, National Chiao Tung University, Hsinchu, Taiwan Material and Chemical Research Laboratories, Industrial Technology Research Institute, Hsinchu, Taiwan	1001 University Road, Hsinchu, Taiwan 300, ROC	Ying-Hao Chu 朱英豪
D3-P08	D3	0718	Isoindigo-based Polymer Transistor for Ammonia Gas Sensor	Chun-Fu Lu <sup>1</sup> , Chien-An Chen <sup>1</sup> , Wei-Fang Su <sup>1</sup>	<sup>1</sup> National Taiwan University.	No. 1, Sec. 4, Roosevelt Rd., Taipei 10617, Taiwan (R.O.C.)	Wei-Fang Su 林唯芳
D5-P28	D5	0937	Wafer Scale aligned helix Si hierarchical nanostructures prepared by glancing angle deposition system (GLAD) as high performance anode in Secondary Lithium Ion Battery	siao-Chien Wang <sup>1</sup> , Shu-Chi Wu <sup>1</sup> , Jian-Shiou Huang <sup>1</sup> , Yu-Lun Chueh <sup>1</sup> , Wen-Chun Yen <sup>2</sup> , Stuart R. Thomas <sup>1</sup>	<sup>1</sup> Department of Materials Science and Engineering, National Tsing Hua University, <sup>2</sup> Department of Physics, National Sun Yat-sen University,.	No. 101, Section 2, Kuang-Fu Road, Hsinchu, Taiwan 30013, R.O.C.	Yu-Lun Chueh 闕郁倫
D7-P01	D7	0851	Development of a self-powered sensor for the detection of lactate in sweat sample	Yu-Zhen Lin <sup>1</sup> , Chuan-Hua Chen <sup>1</sup>	<sup>1</sup> Dept of Biomedical Engineering, National Tsing Hua University.	No. 101, Section 2, Kuang-Fu Road, Hsinchu, Taiwan 30013, R.O.C.	Zong-Hong Lin 林宗宏
E3-P12	E3	1099	In-situ transmission electron microscopy investigation of the deformation behavior of $\alpha$ -ferrite nanopillars in an interphase-precipitation strengthened dual phase steel	M.Y.Gao <sup>1</sup> , S.P.Tsai <sup>1</sup> , Y.L.Chang <sup>2</sup> , T.F.Chung <sup>1</sup> , J.R.Yang <sup>1</sup>	<sup>1</sup> Department of Materials Science and Engineering, National Taiwan University, Taipei, Taiwan, <sup>2</sup> National Institute for Material Science, 1-2-1 Sengen, Tsukuba, Ibaraki 305-0047, Japan.	No. 1, Sec. 4, Roosevelt Rd., Taipei 10617, Taiwan (R.O.C.)	Jer-Ren Yang 楊哲人

E4-P12	E4	0065	Correlation between SLM parameters and properties of 17-4 PH stainless steel	Tzu-Hou Hsu <sup>1</sup> , An-Chou Yeh <sup>1</sup> , Chih-Peng Chen <sup>2</sup> , Kuo-Kuang Jen <sup>2</sup>	<sup>1</sup> Dept of Materials Science and Engineering, National Tsing-Hua University, Hsinchu, Taiwan, <sup>2</sup> Missile and Rocket System Research Division, National Chung-Shan Institute of Science and Technology, Taoyuan, Taiwan.	No. 101, Section 2, Kuang-Fu Road, Hsinchu, Taiwan 30013, R.O.C.	An-Chou Yeh 葉安洲
E6-P10	E6	0447	Study on Impact Resistance of Ceramic Armor Based on Bionic Fish Scale Structure	C.W. Yeh <sup>1</sup> , Y.L. Chen <sup>1</sup> , J.Z. Lu <sup>1</sup> , D.G. Huang <sup>2</sup> , W.K. Huang <sup>1</sup>	<sup>1</sup> Department of Power Vehicle and Systems Engineering, Chung Cheng Institute of Technology, National Defense University, Taoyuan, Taiwan, <sup>2</sup> HOCHENG Corporation.	No. 1000, XingFeng Rd., Bade Dist, Taoyuan City 334, Taiwan(R.O.C.)	Yu-Liang Chen 陳幼良 (國防大學理工學院動力及系統工程學系)
F1-P14	F1	1054	The Effect of Structure Disorder on Li Storage of Defective Graphene – A First-Principles Study	Yu-Jen Tsai <sup>1</sup> , Chin-Lung Kuo	<sup>1</sup> Dept of Materials Science and Engineering, National Taiwan University, Taipei, Taiwan	No. 1, Sec. 4, Roosevelt Rd., Taipei 10617, Taiwan (R.O.C.)	Chin-Lung Kuo 郭錦龍
F2-P13	F2	0412	High-Accurately Prediction for Binary Metal-Oxides Properties by Machine Learning	Che-Ming Chang <sup>1</sup> , Yu-Chieh Lin <sup>1</sup>	<sup>1</sup> Material and Chemical Research Laboratories, Industrial Technology Research Institute.	195, Sec. 4, Chung Hsing Rd., Chutung, Hsinchu, Taiwan 31057, R.O.C.	工研院

**Excellent Poster Award**

Poster No.	Symposium	Paper No.	Title	Authors	Affiliation	Address	Advisor
A1-P03	A1	0983	Synthesis of Epitaxial WS <sub>2</sub> /WSe <sub>2</sub> Lateral Heterojunctions on Sapphire Substrates	Chen-Han Lee <sup>1</sup> , Ming-Yen Lu <sup>1</sup> , Ming-Pei Lu <sup>2</sup>	<sup>1</sup> Department of Materials Science and Engineering, National Tsing Hua University, <sup>2</sup> National Nano Device Laboratories.	No. 101, Section 2, Kuang-Fu Road, Hsinchu, Taiwan 30013, R.O.C.	Ming-Yen Lu 呂明諺

A1-P17	A1	0134	Observing the Phase Conversion of CVD-grown MoS <sub>2</sub> via Atomic Resolution TEM	Kuo-Lun Tai <sup>1</sup> , Guan-Min Huang <sup>1</sup> , Chun-Wei Huang <sup>1</sup> , Tsung-Chun Tsai <sup>1</sup> , Wen-Wei Wu <sup>1</sup>	<sup>1</sup> Department of Materials Science and Engineering, National Chiao Tung University.	1001 University Road, Hsinchu, Taiwan 300, ROC	Wen-Wei Wu 吳文偉
A3-P09	A3	0797	Impurity effects on the interfacial reactions between electroplated Cu and Sn under various aging temperatures	Shan-Chen Tsai, Chih-Ming Chen	National Chung Hsing University.	145 Xingda Rd., South Dist., Taichung City 402, Taiwan (R.O.C.)	Chih-Ming Chen 陳志銘 (中興化工)
A3-P11	A3	0727	Microstructure evolution of Al wire bonded on Cu metallization under Electromigration test	Yu-Chi Fang <sup>1</sup> , Ouyang Fan-Yi <sup>1</sup>	<sup>1</sup> National Tsing Hua University.	No. 101, Section 2, Kuang-Fu Road, Hsinchu, Taiwan 30013, R.O.C.	Ouyang Fan-Yi 歐陽汎怡
A4-P05	A4	1022	Synthesis of 2D Materials via Laser Annealing on Insulating Substrates: A non-transfer, fast and patternable approach	Henry Medina <sup>1</sup> , Yu-Ze Chen <sup>1</sup> , Chih-Chi Huang <sup>1</sup> , Yu-Lun Chueh <sup>1</sup>	<sup>1</sup> National Tsing Hua University.	No. 101, Section 2, Kuang-Fu Road, Hsinchu, Taiwan 30013, R.O.C.	Yu-Lun Chueh 闕郁倫
A5-P17	A5	0051	Multicolored Light-Emitting Diodes Based on Composition-Tunable Alloyed Quantum Dots	Shuan Yang <sup>1</sup> , Yao-Tang Chang <sup>1</sup> , and Hsueh-Shih Chen <sup>1</sup>	<sup>1</sup> Department of Materials Science and Engineering, National Tsing Hua University.	No. 101, Section 2, Kuang-Fu Road, Hsinchu, Taiwan 30013, R.O.C.	Hsueh-Shih Chen 陳學仕

B1-P03	B1	1016	Fabrication and Characteristics of Reduced Lead Perovskite Solar Cells	Ming-Chung Wu <sup>1</sup> , Shun-Hsiang Chan <sup>1</sup> , Ying-Han Liao <sup>1</sup> , Wei-Fang Su <sup>2</sup>	<sup>1</sup> Chang Gung University, <sup>2</sup> National Taiwan University.	No.259, Wenhua 1st Rd., Guishan Dist., Taoyuan City 33302, Taiwan (R.O.C.)	Ming-Chung Wu 吳明忠
B2-P09	B2	0169	Improving the Hydrogen Production in Water Splitting by a Simple Hot-press Process and Spontaneous Spatial Charge Separation Effect	Wei-Hsuan Hung, Chien-Jung Peng, Kun-Lin Yang, Sz-Nian Lai	Department of Materials Science and Engineering, Feng Chia University, Taiwan.	No. 100, Wenhwa Rd., Seatwen, Taichung, Taiwan 40724, R.O.C.	Wei-Hsuan Hung 洪緯璿
B3-P12	B3	0228	High Efficiency of CO <sub>2</sub> -activated Graphite Felt as Electrode for Vanadium Redox Flow Battery Application	Guan-Yi Lin <sup>1</sup> , Jian-Yu Chen <sup>1</sup> , Yu-Chung Chang <sup>1</sup> , Daniel Manaye Kabtamu <sup>1</sup> , Chen-Hao Wang <sup>1</sup>	<sup>1</sup> Dept of Materials Science and Engineering, National Taiwan University of Science and Technology.	No.43, Keelung Rd., Sec.4, Da'an Dist., Taipei City 10607, Taiwan (R.O.C.)	Chen-Hao Wang 王丞浩
B3-P19	B3	0405	Electrospun Fe-N/C composite electrodes for Li-O <sub>2</sub> batteries	Yung-Hao Tsou, Tzu-Ching Hsieh, Yung-Hsiang Yen, Jia-Hao Kang, Jenn-Shing Chen	Department of Applied Chemistry, National University of Kaohsiung, Taiwan, R.O.C..	700, Kaohsiung University Rd., Nanzih District, Kaohsiung 811, Taiwan, R.O.C.	Jenn-Shing Chen 陳振興 (高雄大學應化系)
B3-P25	B3	0576	Porous Ni <sub>x</sub> Co <sub>1-x</sub> (OH) <sub>2</sub> Nanosheets Coated on ZnO Nanowires Grown on Carbon Fiber for Supercapacitor Applications	Chieh-Li Yu <sup>1</sup> , Jin-Hua Huang	<sup>1</sup> Department of Materials Science and Engineering, National Tsing Hua University.	No. 101, Section 2, Kuang-Fu Road, Hsinchu, Taiwan 30013, R.O.C.	Jin-Hua Huang 黃金花

C1-P08	C1	0149	Wicking on Minimal Micropatterned Surfaces with Plate-shaped Pillar Arrays Inspired from Crustacean	Koji Muto <sup>1</sup> , Daisuke Ishii <sup>1</sup>	<sup>1</sup> Department of Life Science and Applied Chemistry, Graduate School of Engineering, Nagoya Institute of Technology.	Gokiso-cho, Showa-ku, Nagoya, Aichi, 466-8555 Japan	Daisuke Ishii (日本教授)
C4-P06	C4	0696	Synthesis and Characterization of Nitric Oxide Releasing Injectable Gelatin Hydrogels	Thai Thanh Hoang Thi <sup>1</sup> , Hyo Jin Lee <sup>1</sup> , Yunki Lee <sup>1</sup> , Ki Dong Park <sup>1</sup>	<sup>1</sup> Department of Molecular Science and Technology/Applied Chemistry and Biological Engineering, Ajou University, Suwon, Republic of Korea.	206 Woldeukeom-ro, Woncheon-dong, Yeongtong-gu, Suwon, Gyeonggi-do, Korea	Ki Dong Park (韓國教授)
D2-P17	D2	0469	Synthesis of Hierarchically Porous Structured Zeolite Materials by Freeze Casting for CO <sub>2</sub> Adsorption	Hsin-Juei Wang <sup>1</sup> , Haw-Kai Chang <sup>1</sup> , Yueh-Ying Chou <sup>1</sup> , Po-Yu Chen <sup>1</sup>	Department of Materials Science and Engineering, National Tsing Hua University, Hsinchu 30013, Taiwan.	No. 101, Section 2, Kuang-Fu Road, Hsinchu, Taiwan 30013, R.O.C.	Po-Yu Chen 陳柏宇
D2-P27	D2	0771	Crystal Growth and Superconducting Properties of Ni-Bi Compounds having Strong Spin-Orbit Coupling	Keitaro Matsukawa <sup>1</sup> , Kenjiro Okawa <sup>1</sup> , Masayuki Murase <sup>1</sup> , Takao Sasagawa <sup>1</sup>	<sup>1</sup> Tokyo Institute of Technology	2 Chome-12-1 Ookayama, Meguro, Tokyo	Takao Sasagawa (日本教授)
D3-P03	D3	0699	Biodegradable carbon-dioxide-based polymer for environment-friendly organic thin film transistors	Cut Rullyani <sup>1</sup> , Chao-Feng Sung <sup>2</sup> , Hong-Cheu Lin <sup>1</sup> , Chih-Wei Chu <sup>3</sup>	<sup>1</sup> Department of Materials Science and Engineering, National Chiao Tung University, <sup>2</sup> Department of Photonics and Display Institute, National Chiao Tung University, <sup>3</sup> Research Center for Applied Science Academia Sinica.	1001 University Road, Hsinchu, Taiwan 300, ROC	Hong-Cheu Lin 林宏洲

D3-P20	D3	0451	Bio-based Polyurethane (PU) Foam with High Foaming Rate	Hong-Yuan Lian <sup>1</sup> , Wen-Pin Chuang <sup>1</sup> , Yun-Ya Huang <sup>1</sup> , Su-Mei Chen Wei <sup>1</sup> , Yi-Che Su <sup>1</sup>	<sup>1</sup> Material and Chemical Research Laboratories, Industrial Technology Research Institute.	195, Sec. 4, Chung Hsing Rd., Chutung, Hsinchu, Taiwan 31057, R.O.C.	工研院
D4-P06	D4	0425	Enhancement of spin-orbit torques through Boron doping engineering	Bo-yuan Yang <sup>1</sup> , Po-Hung Lin <sup>1</sup> , Chih-Huang Lai <sup>1</sup>	<sup>1</sup> Department of Materials Science and Engineering, National Tsing Hua University.	No. 101, Section 2, Kuang-Fu Road, Hsinchu, Taiwan 30013, R.O.C.	Chih-Huang Lai 賴志煌
D5-P23	D5	0768	Fabrication of Periodic Si Nanocone Arrays on (001)Si and Their Optical Absorption Properties	LIN, KUN-QI <sup>1</sup> , HUANG, YU-HSUN <sup>1</sup> , CHENG, SHAO-LIANG <sup>2</sup>	Central University <sup>1</sup> Dept of Chemical and Materials Engineering, National Central University and Institute of Materials Science and Engineering, National Central University.	No. 300, Zhongda Rd., Zhongli District, Taoyuan City 32001, Taiwan (R.O.C.)	CHENG, SHAO-LIANG 鄭紹良
D5-P43	D5	1121	New Process for Fabricating Intrinsic Josephson Junction using Water-treatment	Hiroimi Tanaka <sup>1</sup> , Kenta Tanaka <sup>1</sup> , Ryo Matsumoto <sup>2</sup> , Satoru Kishida <sup>3</sup>	<sup>1</sup> National Institute of Technology, Yonago College, <sup>2</sup> National Institute for Materials Science & Tsukuba University, <sup>3</sup> Tottori University	4448 Hikonacho, Yonago, Tottori Prefecture 683-0854, Japan	Hiroimi Tanaka (日本教授)
D6-P05	D6	0338	Enhancing Raman Signals through Electromagnetic Hot Zones Induced by Magnetic Dipole Resonance of Metal-Free Nanoparticles	Yi-Chuan Tseng <sup>1</sup> , Yang-Chun Lee <sup>1</sup> , Sih-Wei Chang <sup>1</sup> , Pei-Ju Tsai <sup>1</sup> , Dai-Liang Ma <sup>2</sup> , Bo-Cheng Lin <sup>2</sup> , Hsuen-Li Chen <sup>1</sup>	<sup>1</sup> Department of Materials Science and Engineering, National Taiwan University, No. 1, Sec. 4, Roosevelt Road, Taipei, 10617, Taiwan, <sup>2</sup> Materials and Electro-Optics Research Division, National Chung-Shan Institute of Science and Technology, Taoyuan, Taiwan.	No. 1, Sec. 4, Roosevelt Rd., Taipei 10617, Taiwan (R.O.C.)	Hsuen-Li Chen 陳學禮

D7-P07	D7	0521	Thermoelectric Properties of n-type Homologous Zinc Oxide Nanowire arrays and p-type Sb-doped Zinc Oxide Nanowire arrays	Nai-Yun Chang <sup>1</sup> , Chuan-Pu Liu <sup>1</sup>	<sup>1</sup> Department of Materials Science and Engineering, National Chen Kung University.	1 University Road, Tainan City, Taiwan, R.O.C. 70101	Chuan-Pu Liu 劉全璞
E1-P03	E1	1238	Size-Affected Plasticity in Eutectic Medium Entropy Alloy Nanocomposite	Z.Y. Ding <sup>1</sup> , Q.F. He <sup>1</sup> , Q.Wang <sup>2</sup> , Y. Yang <sup>1</sup>	<sup>1</sup> CityU of HK, <sup>2</sup> Shanghai University.	Tat Chee Avenue, Kowloon, Hong Kong SAR	Y. Yang (香港教授)
E2-P07	E2	857	Microstructures of Ti-8Al-1Mo-1V Hot Rolled Sheets	P.R.Chen <sup>1</sup> , H.T.Hsu <sup>1</sup> , C.H.Wu <sup>2</sup> , J.K.Chen <sup>1</sup>	<sup>1</sup> Institute of Materials Science and Engineering National Taipei University of Technology, <sup>2</sup> Department of New Materials Research and Development, China Steel Corp.	1, Sec. 3, Zhongxiao E. Rd., Taipei 10608 Taiwan, R.O.C	Jhewn-kuang Chen 陳貞光
E3-P13	E3	1178	Effect of Bainite Transformation Temperatures on A Low-carbon TRIP-Assisted Steel and The Application of Convergent Beam Electron Diffraction (CBED)	Shao-Pu Tsai <sup>1</sup> , Shih-Ning Tsai <sup>1</sup> , Jer-Ren Yang <sup>1</sup> , Yuan-Tsung Wang <sup>2</sup> , Ching-Yuan Huang <sup>2</sup>	<sup>1</sup> National Taiwan University, <sup>2</sup> China Steel Corporation (CSC).	No. 1, Sec. 4, Roosevelt Rd., Taipei 10617, Taiwan (R.O.C.)	Jer-Ren Yang 楊哲人
E4-P01	E4	1183	Development of superalloys with increased tensile strength	Zhe-Ren Liu <sup>1</sup> , Ching-Yuan Lo <sup>1</sup> , An-Chou Yeh <sup>1</sup> , Hui-Yun Bor <sup>2</sup> , Chao-Nan Wei <sup>2</sup>	<sup>1</sup> Dept of Materials Science and Engineering, National Tsing Hua University, Hsinchu, Taiwan, <sup>2</sup> Materials and Electro-Optics Research Division, Chung-Shan Institute of Science and Technology.	No. 101, Section 2, Kuang-Fu Road, Hsinchu, Taiwan 30013, R.O.C.	An-Chou Yeh 葉安洲



E5-P10	E5	0689	Fabrication of bioactive glass-doped Ti6Al4V pedicle screws	Chih-Wei Hsiao <sup>1</sup> , Jia-Yu Lin <sup>1</sup> , Shao-Ju Shih <sup>1</sup>	<sup>1</sup> Department of Materials Science and Engineering, National Taiwan University of Science and Technology, Taipei, Taiwan.	No.43, Keelung Rd., Sec.4, Da'an Dist., Taipei City 10607, Taiwan (R.O.C.)	Shao-Ju Shih 施劭儒
E6-P26	E6	1174	Mechanical Strengthening of Gold Micro-Cantilever by Control of Electroplating Conditions	Keisuke Asano <sup>1</sup> , Haochun Tang <sup>1</sup> , Chun-Yi Chen <sup>1</sup> , Takashi Nagoshi <sup>2</sup> , Tso-Fu Mark Chang <sup>1</sup> , Daisuke Yamane <sup>1</sup> , Toshifumi Konishi <sup>3</sup> , Katsuyuki Machida <sup>1</sup> , Kazuya Masu <sup>1</sup> , Masato Sone <sup>1</sup>	<sup>1</sup> Institute of Innovative Research, Tokyo Institute of Technology & CREST, Japan Science and Technology Agency, <sup>2</sup> National Institute of Advanced Industrial Science and Technology, <sup>3</sup> Institute of Innovative Research, Tokyo Institute of Technology & CREST, Japan Science and Technology Agency & NTT Advanced Technology Corporation, <sup>4</sup> Institute of Innovative Research, Tokyo Institute of Technology & CREST, Japan Science and Technology Agency, Japan.	7, Gobancho, Chiyoda-ku, Tokyo, 102-0076 Japan	Masato Sone (日本教授)
F1-P06	F1	0924	Comprehensive formation mechanism of stacking fault and twin in FeNiCoCr(Al/Mo)x high entropy alloys	YU Peijun <sup>1</sup> , Dr. HU Alice <sup>1</sup>	<sup>1</sup> City University of Hong Kong.	Tat Chee Avenue, Kowloon, Hong Kong SAR	HU Alice (香港教授)
F2-P01	F2	1037	Microstructural Analysis for Smart Materials	Yi-Chien, Lee <sup>1</sup> , Nien-Ti, Tsou <sup>1</sup>	<sup>1</sup> Dept. of Materials Science and Engineering, National Chiao-Tung University	1001 University Road, Hsinchu, Taiwan 300, ROC	Nien-Ti, Tsou 鄒年棣

F4-P01	F4	0079	Reflective coating material of the dual-reflector in the marine lantern by reflectance and light efficiency	Sung Jae Lee <sup>1</sup> , Jin Young Park <sup>1</sup> , Hyun Kyoung Yang <sup>1</sup>	<sup>1</sup> Department of LED Convergence Engineering, Pukyong National University, Busan, South Korea.	45 Yongso-ro, Daeyeon 3(sam)-dong, Nam-gu, Busan, Korea	Hyun Kyoung Yang ( 韓國教授)
F4-P04	F4	0506	Sputtering Deposition of TiNxOy Thin Films with Tunable Properties	Yu-Chen Liou <sup>1</sup> , Fu-Hsing Lu <sup>1</sup>	<sup>1</sup> Dept. of Materials Science and Engineering, National Chung Hsing University, Taiwan.	145 Xingda Rd., South Dist., Taichung City 402, Taiwan (R.O.C.)	Fu-Hsing Lu 呂福興