**第三十三屆顯微鏡學會年會研討會 材料物理組**

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| **M-P-01** | **Plasmons dispersion and nonvertical interband transitions in single-crystal Bi2Se3 investigated by electron energy-loss spectroscopy**S. C. Liou (劉思謙), M. -W. Chu (朱明文), R. Sankar, F. -T. Huang (黃妃婷), G. J. Shu (殳國俊), F. C. Chou (周方正) and C. H. Chen (陳正弦)Center for Condensed Matter Sciences, National Taiwan University, Taipei, Taiwan |
| **M-P-02** | **Atomic structure of the GaN/Al2O3 interface**Yue-Han Wu (吳岳翰) and Li Chang (張立)Department of Materials Science and Engineering, National Chiao-Tung University, Hsinchu, Taiwan. |
| **M-P-03** | **Microstructure Characterization of Zinc Sulfide Superlattice Nanowires by Transmission Electron Microscopy**Yi-Chang Li (李奕錩), Chi-Kang Wu (吳季剛), and Chuan-Pu Liu (劉全璞)Department of Materials Science and Engineering, National Cheng Kung University, Taiwan  |
| **M-P-04** | **The influence of annealing treatments on microstructure and properties of amorphous Fe80Si8.5B11 ribbon**Po-Yu Chen (陳伯宇), Hsin-Yi Lee (李欣怡) and Jer-Ren Yang (楊哲人)Department of Materials Science and Engineering, National Taiwan University |
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| **M-P-07** | **The micro-morphology and nano-morphology of lenticular martensite in the AISI 440C stainless steel**Y. L. Chang (張雅齡) and J. R. Yang (楊哲人)Department of Materials Science and Engineering, National Taiwan University |
| **M-P-08** | **The effect of Mo on Nb carbides in Nb containing low carbon bainitic strips with observation of HR TEM images**Huang, Bo-Ming (黃柏銘), Yen, Hung-Wei (顏鴻威), Yang, Jer-Ren (楊哲人)Department of Materials Science and Engineering, National Taiwan University |
| **M-P-09** | **TEM CHARACTERIZATION OF 97.5AU-0.75NI-1.75V INTERLAYER FOR SOFC APPLICATIONS**1Kun-Lin Lin (林昆霖)and 2Jia-Yin Tsai 1 National Nano Device Laboratories, Hsinchu 300, Taiwan2 Institute of Lighting and Energy Photonics, National Chiao Tung University, Hsinchu, Taiwan |
| **M-P-11** | **THE EMBRITTLEMENT OF ANNEALED AMORPHOUS FE81SI2B17 ALLOY RIBBON**CHEN, Po-Yu (陳伯宇), Lee, Hsin-Yi (李欣怡) and Yang, Jer-Ren (楊哲人)Department of Materials Science and Engineering, National Taiwan University |
| **M-P-12** | **ATOMIC-SCALE PROBING OF INTERDIFFUSION AND A LOCALIZED TWO-DIMENSIONAL ELECTRON DENSITY AT AN INSULATING OXIDE INTERFACE**CHANG, Ching-Pin (張景斌),12 LIN, Jauyn Grace (林昭吟),2 CHENG, Su-Ling (鄭淑齡),12 YANG, Jer-Ren (楊哲人),1 CHU, Ming-Wen (朱明文),2 and CHEN, Cheng-Hsuan (陳正弦)21 Department of Materials Science and Engineering, National Taiwan University2 Center for Condensed Matter Sciences, National Taiwan University |
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| **M-P-15** | **STEM-EELS/EDS STUDIES OF ULTRA-THIN 4.5nm NICKEL SILICIDE FILMS**Wu, Chien-Ting (吳建霆),1 Lee, Yao-Jen (李耀仁),1,2 Hsueh, F.-K. (薛富國),1 Sung, P.-J. (宋柏融),1 ChloT.-C.(卓大鈞),3 Current, M. I.,4 and Chao, Tien-Sheng(趙天生)31National Nano Device Laboratories, Hsinchu City, Taiwan. 2Department of Physics, National Chung Hsing University, Taichung, Taiwan.3Department of Electrophysics, National Chiao Tung University, Hsinchu, Taiwan.4Current Scientific, San Jose, CA 95124 USA. |
| **M-P-16** | **ACCELERATION OF NANO-STRUCTURED BAINITE BY TWO STEP HEAT TREATMENT**TSAI, Yu-Ting (蔡宇庭),1 HUANG, Ching-Yuan (黃慶淵)2 and YANG, Jer-Ren (楊哲人) 11Department of Materials Science and Engineering, National Taiwan University, Taipei, Taiwan2Iron and Steel R&D Department, China Steel Corporation |
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| **M-P-18** | **MULTI-PHASE MICROSTRUCTURE AND NANO-SIZED PRECIPITATES IN A NB-BEARING AND COPPER-MICROALLOYED STEEL BY A TWO-STEP REVERSED HEAT TREATMENT**ZHOU, Wen-Hao (周文浩),XIE, Zhen-Jia (谢振家), GUO, Hui (郭晖),WANG, Xue-Min (王学敏) and SHANG, Cheng-Jia (尚成嘉)1Department of Materials Science and Engineering, University of Science and Technology Beijing, Beijing, China |
| **M-P-19** | **ANNEALING BEHAVIOR OF COBALT-PHOSPHORUS ELECTRODEPOSITS**1,2CHEN, Fu-Je (陳黼澤), 1LIN, Chao-Sung (林招松), 2PAN, Yung-Ning (潘永寧) and 3Lee, Chun-Ying (李春穎)1 Department of Materials Science and Engineering2 Department of Materials Science and Engineering, National Taiwan University, Taipei, Taiwan3 Department of Mechanical Engineering, National Taipei University of Technology, Taipei, Taiwan |
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| **M-P-21** | **Influence of Surface Oxidation on the Valence Electron Energy-Loss Spectrum of Wurtzite Aluminum Nitride**Michael R. S. Huang (黃榮喜),1 Rolf Erni,2 and Chuan-Pu Liu (劉全璞) 1,**1** Department of Materials Science and Engineering, National Cheng-Kung University, Tainan 701, Taiwan**2** Electron Microscopy Center, Empa, Swiss Federal Laboratories for Materials Science & Technology, 8600 Dübendorf, Switzerland |
| **M-P-22** | **TRANSMISSION ELECTRON MICROSCOPY ANALYSES FOR THIN FILMS GROWN BY ATOMIC LAYER DEPOSITION**CHAO, Shih-Chun (趙士鈞), YU, Chia-Hao (余家濠),WEN, Cheng-Yen (溫政彥)Department of Materials Science and Engineering, National Taiwan University, Taipei, Taiwan |
| **M-P-23** | **KINETICS OF SILICIDE FORMATION IN SI NANOWIRES**CHOU, Yi-Chia(周苡嘉),1 TU, King-Ning(杜經寧)21Department of Electrophysics, National Chiao-Tung University, Hsinchu, Taiwan2Department of Materials Science and Engineering, University of California Los Angeles, Los Angeles, USA |
| **M-P-24** | **DIRECT OPTICAL CHARACTERIZATIONS FOR GROWTH BEHAVIOR OF GRAPHENE ON COPPER BY CHEMICAL VAPOR DEPOSITION**CHANG, Ren-Jie (張仁頡),TSAI, Yun-Yi(蔡昀嶧)and WEN, Cheng-Yen(溫政彥)Department of Materials Science and Engineering, National Taiwan University, Taipei, Taiwan |
| **M-P-25** | **IN-SITU TEM STUDY OF THE LITHIATION BEHAVIOR OF A SINGLE SN DOPED ZNO NANOWIRE**Lai, Ming-Wei (賴明偉), Lo, Shen-Chuan (羅聖全), Chen, Yu-Hsiang (陳育祥),and Tsai, Cheng-Ting (蔡承廷)Material and Chemical Research Laboratories, Industrial Technology Research Institute, Hsinchu, Taiwan |
| **M-P-26** | **Charge density wave study in Dy5Ir4Si10**M. H. Lee1,2 (李明浩), C. H. Chen1,2,3, (陳正弦), M.-W. Chu2 (朱明文), H. D. Yang4 (楊弘敦)1. Department of Physics, National Taiwan University, Taipei, Taiwan2. Center for Condensed Matter Sciences, National Taiwan University3. Institute of Atomic and Molecular Sciences, Academia Sinica, Taipei, Taiwan4. Department of Physics, National Sun Yat-sen University, Kaohsiung, Taiwan |
| **M-P-27** | **Electronically Phase-Separated Charge Density Waves in Lu2Ir3Si5**M. H. Lee1,2 (李明浩), C. H. Chen1,2,3, (陳正弦), M.-W. Chu2 (朱明文), C. S. Lue4 (呂欽山), Y. K. Kuo5 (郭永綱)1. Department of Physics, National Taiwan University, Taipei, Taiwan2. Center for Condensed Matter Sciences, National Taiwan University3. Institute of Atomic and Molecular Sciences, Academia Sinica, Taipei, Taiwan4. Department of Physics, National Cheng Kung University, Tainan, Taiwan5. Department of Physics, National Dong Hua University, Hualien, Taiwan |