

	Room A	Room B	Room C	Room D	Room E	Room F
8:30	Keynote IV: The Future of Computing					
9:15	Norishige Morimoto, IBM Japan, Ltd.					
9:15	Keynote V: TBD					
10:00						
Break						
10:15	17FA1: IMPACT 17FA1-1 <Session Invited> TBD Dr. Chien-Yung Ma, Forcera Materials Inc. 17FA1-2 <Session Invited> TBD Prof. Yong-Hua Tzeng, NCKU. 17FA1-3 <Session Invited> TBD Dr. Shin-Puu Jeng, Applied Materials 17FA1-4 Cross-interface grain growth in Cu-Cu Bonding Prof. Chih-Ming Chen, National Chung Hsing University	17FB1: Printed Electronics 17FB1-1 <Session Invited> Printed Organic Thin-Film Transistors for Large-Area Integrated Electronics Prof. Xuying Liu, Zhengzhou University 17FB1-2 <Session Invited> Low-temperature copper sinter-joining technology for next-generation Prof. Wanli Li, Jiangnan University 17FB1-3 <Session Invited> Directed self-assembly for high resolution stretchable electronics Dr. Lingying Li, NIMS 17FB1-4 TBD	17FC1: Hybrid Bonding-1 17FC1-1 <Session Invited> TBD 17FC1-2 Low Temperature Hybrid Bonding Process by Surface Modification using Low-Molecular-Weight Organic Material Chihiro Nakagawa ¹ , Yoshikage Ohmukai ¹ , Hosoda Kazuki ¹ , Yuuki Araga ¹ , Naoya Watanabe ¹ , Haruo Shimamoto ¹ , Kenji Takahashi ¹ , Takashi Namikawa ¹ , Katsuya Kikuchi ¹ , Daikin Industries, Ltd., ¹ National Institute of Advanced Industrial Science and Technology 17FC1-3 In-situ Analysis of SiO ₂ Surface Chemistry Evolution During N ₂ Annealing for Hybrid Bonding Applications Haibo Yang, Fei Ding, Yu Zhang, Yudong Yang, Qushu Kang, Hongchao Zhang, Lingyun Zhang, Yihao Meng, Renxi Jin, Qidong Wang, Institute of Microelectronics, Chinese Academy of Sciences 17FC1-4 High-Resolution 3D X-Ray Imaging of Hybrid Bonding Till Dreier, Daniel Nilsson, Shihō Tanaka, Excillum AB	17FD1: Mech simulation-2 17FD1-1 Physical Estimation of Epoxy Flux Pattern Design of Multi-Chip Module Packaging Kuan-Wei Choe ¹ , Chih-Yang Weng ² , You-Yi Zheng ³ , Shen-Yu Yang ⁴ , Chao-Chieh Chan ¹ , Chun-Wei Wang ¹ , Jui-Chang Chuang ¹ , Chang-Chun Lee ¹ , ¹ National Tsing Hua University, ² WNC Corporation 17FD1-2 Simulation of NMSD Type in CUF Parameters and Substrates on Reliability TZU CHIEH CHHEN, Yuan Hung Sun, Yu Chi Sung, Chao Lin Shih, Chi Chung Liu, Lu Ming Lai, Kuang Hsiung Chen, Advanced Semiconductor Engineering, Inc Chung-Li Branch 17FD1-3 Capillary Underfill Simulation across Die-to-Die Gap Using Hybrid EBG Modeling Leo Shen ¹ , Kazuki Noguchi ¹ , Yu-En Liang ¹ , Wei-Yu Lin ¹ , Zi-Hsuan Wei ¹ , Ching-Kai Chou ¹ , Ming-Yu Lin ¹ , ¹ CoreTech System Co., Ltd. (Moldex3D), ² Sanyu rec co., Ltd. 17FD1-4 Numerical Simulation and Machine Learning-Based Optimization of Mass Reflow Temperature Profiles in Batch-Produced System-in-Packages Jan Hu, Xuan-Zhi Kuo, National Kaohsiung University of Science and Technology	17FE1: High-Speed, Wireless & Components 17FE1-1 A Compact Dual-Band AIP Integrated Beamforming IC Using Package-on-Package Technology for Mobile Devices Sheng-Chi Hsieh, Advanced Semiconductor Engineering, Inc.(ASE group) 17FE1-2 Design of millimeter-wave antenna array in package featured with bandpass impedance transformation Simin Wang ¹ , Kuofeng Cheng ¹ , ShengFu Chang ¹ , ShihCheng Lin ¹ , ChenChao Wang ¹ , ¹ National Chung Cheng University, ² Advanced Semiconductor Engineering 17FE1-3 Fabrication tolerance analysis of multi-layers package substrate for 5G mmWave Antenna in Package/Module (AIP/AIM) Cheng Yu Huo, Pingtung 17FE1-4 Development of Integrated Q-band 4x4 Phased-Array Module with High Aspect Ratio Cu-Pillar Pins and M7-Level SLP for High-Efficiency mmWave NTN Applications Li-Cheng Shen ¹ , Wei-Yang Chen ¹ , Ming-Hung Chang ¹ , Leo Hsu ¹ , Su-Wei Chang ¹ , ¹ Universal Global Scientific Industrial Co., Ltd. (USI), ² TMVTEK Co., Ltd.	17FF1: Thermal Management-5 17FF1-1 A Thermal Isolation Method Based on "Parylene-Kirgarm" Structure for Silicon-Based 2.5D Heterogeneous Integration Systems Zhou Yang, Han Xu, Lang Chen, Huiquan Cao, Jianyu Du, Chi Zhang, Wei Wang, Peking University 17FF1-2 Co Integrated Cu/Sn Electrical and Fluidic I/Os for Embedded Microchannel Cooling in 3D ICs Using FOWLP Shaofeng Wang ¹ , Zhou Yang ¹ , Shangyang Shi ¹ , Yudong Yang ¹ , Wei Wang ^{1,2,3} , Chi Zhang ^{1,2,3} , ¹ Peking University, ² National Key Laboratory of Advanced Micro and Nano Manufacture Technology, ³ Beijing Advanced Innovation Center for Integrated Circuits 17FF1-3 chip-lead silicon vapor chamber with MEMS microcapillary wick for hotspot cooling and g-robust operation Jianyu Du ¹ , Jiale Tu ¹ , Haoyang Sun ¹ , Shangyang Shi ¹ , Feng Ji ¹ , Chi Zhang ^{1,2,3} , Wei Wang ^{1,2,3} , ¹ Peking University, ² Beijing Institute of Remote Sensing Equipment, ³ Beijing Advanced Innovation Center for Integrated Circuits, ⁴ National Key Laboratory of Advanced Micro and Nano Manufacture Technology 17FF1-4 Numerical Simulation and Analysis of Heat Transfer Characteristics of Through Silicon Vias in Backside Power Delivery Networks Shizun Hu ¹ , Yutong Fu ¹ , Huiquan Cao ^{1,2,3,4} , Shangyang Shi ¹ , Chi Zhang ¹ , Wei Wang ^{1,2,3} , ¹ Peking University, ² National Key Laboratory of Advanced Micro and Nano Manufacture Technology, ³ Beijing Advanced Innovation Center for Integrated Circuits, ⁴ China University of Geosciences (Beijing)
11:55						
Lunch Time						
12:45	17FA2: Glass-PKG3 17FA2-1 <Session Invited> Progress and Remaining Challenges for Glass Core Substrates Jan Vardaman, TechSearch 17FA2-2 <Session Invited> Enabling Next-Generation Packaging with Glass and Quartz Core Substrates Jonas Discher, PlanOptik 17FA2-3 <Session Invited> TBD Glass core evaluation method TBD Prof. Ming-Yi Tsai ¹ , T. Onishi, CGU Chang Gung U EDU TW / GJT 17FA2-4 Development of glass core multilayer build-up substrate with TGV Jun Yoshiike, Masahiro Sunohara, Gai Kadoishi, Yuki Nakabayashi, Noriyoshi Shimizu, Ryoichi Matsuki, Shinko Electric Industries co., LTD	17FB2: ICEPT 17FB2-1 <Session Invited> Advancements in Ultra-High Aspect Ratio Via Interconnection Technology Enabled by Atomic Layer Deposition Daquan Yu, Xiamen Sky Semiconductor Co., Ltd., China 17FB2-2 <Session Invited> Thermal Management of Chip Wei Wang, Peking University, China 17FB2-3 <Session Invited> The Simulation and Testing of UCLE Power Noise Based on Chiplet Chenxi Yang, Samechips Technology Co., Ltd., China 17FB2-4 <Session Invited> SiC Advanced Packaging and All-Copper Solutions Huaiyu Ye, Southern University of Science and Technology	17FC2: Hybrid Bonding-2 17FC2-1 Development of Anti-oxidation Technology for Cu Direct Bonding via Ascorbic Acid Vapor Jeechoo Na ^{1,2} , Eunhye Lee ¹ , Suin Jang ¹ , Dongwoo Lee ¹ , Tae-Ik Lee ¹ , ¹ Korea Institute of Industrial Technology, ² Sungkyunkwan University 17FC2-2 Electrodeposition of (111)-Oriented Cu Using Accelerator for Cu-Cu Direct Bonding Soojin Kim, Hanyang university 17FC2-3 Effect of Pressure on Grain Growth in Nanocrystalline Cu for Low-Temperature Cu-Cu Bonding Ting-Chi Chen, Chih Chen, National Yang Ming Chiao Tung University 17FC2-4 The role of densification on deformation behavior of sintered Ag during nanoindentation creep test Seonghwan Park ¹ , Hiroaki Tatsumi ¹ , Hiroshi Nishikawa ¹ , ¹ The University of Osaka, ² The University of Osaka 17FD2-4 Defects in Cu-filled through-silicon vias (TSV) after thermal cycling Zishan Xiong ¹ , Shichen Xie ¹ , Zeyuan Li ¹ , Sheng Liu ¹ , Yizheng Guo ¹ , Yingxia Liu ¹ , ¹ City University of Hong Kong, ² City University of Hong Kong, ³ Wuhan University	17FD2: Reliability-1 17FD2-1 In-situ observation of dislocation movement, accumulation and crack propagation behaviour during tensile loading in Sn and Sn-based solder alloys Kazuhiko Nogita ¹ , Jiye Zhou ¹ , Xin Fu Tan ¹ , Stuart McDonald ¹ , Keith Swathmore ² , Hiroshi Maeno ¹ , Syo Matsumura ¹ , Kazuhiro Yasuda ¹ , ¹ The University of Queensland, ² Nihon Superior Co., ³ Kyushu University 17FD2-2 Microcrack-sliding Damping During Crack Propagation in Pure Sn Under Electric Current Stressing Fei Hu ¹ , Ming Tang ¹ , Wangyun Li ^{1,3} , ¹ Gulin University of Electronic Technology, ² Chongqing SiATE Product Quality Testing Co., Ltd., ³ Southwest Jiaotong University 17FD2-3 The role of densification on deformation behavior of sintered Ag during nanoindentation creep test Seonghwan Park ¹ , Hiroaki Tatsumi ¹ , Hiroshi Nishikawa ¹ , ¹ The University of Osaka, ² The University of Osaka 17FD2-4 Defects in Cu-filled through-silicon vias (TSV) after thermal cycling Zishan Xiong ¹ , Shichen Xie ¹ , Zeyuan Li ¹ , Sheng Liu ¹ , Yizheng Guo ¹ , Yingxia Liu ¹ , ¹ City University of Hong Kong, ² City University of Hong Kong, ³ Wuhan University	17FE2: Material Processing 17FE2-1 Comparison of Cu diffusion barrier properties of electroless-plated CoWB and CoNi alloys films formed on SiO ₂ /Si shoso shingubara, tomohiro shimizu, takeshi ito, Kansai University 17FE2-2 Photon-removable Protective Molecular Nanolayers for Enhancing Cu to Cu Direct Bonding Wei-Ting Chen ¹ , Ting-Hsiang Hsu ¹ , Chih-Ming Chen ¹ , Takafumi Fukushima ¹ , Jenn-Ming Song ¹ , ¹ National Chung Hsing University, ² National Chung Hsing University, ³ National Chung Hsing University 17FE2-3 Effect of Binder Chemistry on Dynamic Percolation of Stretchable Printed Wires During Vacuum Foaming Rima Aida, Masahiro Inoue, Gunma University 17FE2-4 Advanced Hybrid Smear Removal Process with Excimer VUV Treatment for Next-Generation Organic Substrate Packaging Taro Arimoto ¹ , Yukihisa Baba ¹ , Yuhei Kitahara ¹ , Tomoya Sawada ¹ , Takashi Katou ¹ , Masasumi Kusunoki ¹ , Tatsuya Koga ¹ , USHIO Inc., ¹ Okuno chemical industries co. ltd, ² Shikoku chemicals corporation	17FF2: Power Electronics-1 17FF2-1 Development of Low-Temperature Air-Sinterable Copper Paste for Die Attach and Substrate-to-Heatsink Bonding Chuantong Chen ¹ , Fupeng Huo ¹ , Sangmin Lee ¹ , Takeshita Kazutaka ¹ , Yoshiyuki Yamaguchi ¹ , Yashima Momose ¹ , Katsuki Suganuma ¹ , ¹ The university of Osaka, ² Yamato Scientific Co. Ltd. 17FF2-2 Room Temperature Chip Bonding of SiC And Cu Using Activated Cu Atomic Layer Ryoshe Nanauchi, Jun Usami, Ryo Takigawa, Kyushu University 17FF2-3 X-ray Observation Microscopy for Non-destructive Observation of Grain Boundaries in Die-attach Solder Yuijiro Hayashi ¹ , J. Kim ¹ , M. Yabashi ¹ , H. Tatsumi ¹ , ¹ RKIN Spring-8 Center, ² Osaka University
14:25						
Break						
14:40	17FA3: Glass PKG-4 17FA3-1 Physical Estimation for Residual Stress of Glass Substrate through Photoelasticity-FEA Hybrid Model Jui-Chang Chuang ¹ , Chang-Chun Lee ¹ , Wan Chen Yang ¹ , Po-Yu Chen ¹ , Hao-Zhou Lin ¹ , Wei-Cheng Tsai ¹ , Chen-Tsai Yang ¹ , Man-Ning Lin ¹ , Po-Chi Sung ¹ , Wei-Chung Wang ¹ , ¹ Industrial Technology Research Institute, ² National Tsing Hua University 17FA3-2 Micro-crack-free Laser Singulation and melting TGV for Glass Substrate Eunsuk Jeon, Jinpyo Kim, Duhyun Cho, Lasercraps Co. Ltd. 17FA3-3 Analysis of Delamination Mechanism During the Dicing Process of Glass Substrates Chuan Chen, Institute of Microelectronics, Chinese Academy of Sciences	17FB3: Co-packaged OPT 17FB3-1 <Session Invited> Optical Chiplet Using Membrane III-V Photonic Devices Suruu Yamaoka, NTT Device Innovation Center 17FB3-2 <Session Invited> High-integration thin-film lithium niobate modulator based on heterogeneous integration technology Shuntaro Makino, FITEEL Optical Components 17FB3-3 <Session Invited> Fusion of Electric and Photonic Interconnects: An Advanced Packaging Perspective Vincent Lin, ASE Group 17FB3-4 <Session Invited> Multi-Die Optical Chiplet Packaging for AI Scale-up and Scale-Out Surya Bhattacharya, Agency for Science, Technology and Research (A*STAR), Institute of Microelectronics (IME)	17FC3: Hybrid Bonding-3 17FC3-1 Establishment of High-Yield and Reliable Cu-Cu Connections with 0.8 Micrometers Pitch Integration Hitomi Shiina, Yukako Ikegami, Ken Arano, Kan Shimizu, Yoshinshi Kagawa, Sony Semiconductor Solutions Corporation 17FC3-2 Copper oxide in TCB Cu-Cu bonding Kuan-Yun Zeng, Shih-Kang Lin, National Cheng Kung University 17FC3-3 Surface Reduction and Self-Passivation in a Single-Step Ar/CH ₄ Plasma treatment for Hybrid Cu Bonding Hoogwan Lee, Byoungchan Go, Sarah Kim, Seoul National University of Science and Technology 17FC3-4 Optimized Surface Treatment Strategies for Improved Cu-Cu Direct Bonding Kings Kondracka ¹ , Cyrille Sebert ¹ , Patrick Verdonck ¹ , Kristof Wouters ¹ , Nadezda Kuznetsova ¹ , Patrick Mercken ¹ , Michael Krafft ¹ , KU Leuven, ¹ KU Leuven, imec ² , Xenics	17FD3: Reliability-2 17FD3-1 Lifetime Prediction of Die Cracking in Heatsink-Clamped FCGFN Packages under Thermomechanical Loading Shumpei Murakami, Yuki Yoshihara, Daiki Kobayashi, Ryuki Kusakabe, Marie Sano, Fumihito Inoue, Yokohama National University 17FD3-2 Thermal and Drop Reliability Performance of Low Temperature Solder in Fan-Out WLCSF Structure Nien Chun Lin, Sheng Hong Zhang, Yan Bo Lin, Chih Sheng Su, Hsin Chih Shih, Chin Li Kao, Chen Chao Wang, C.P. Hung, Advanced Semiconductor Engineering, Inc. 17FD3-3 Experimental and numerical analysis of a fan-out BGA Chip on PCB reliabilities under drop test loads jian cheng, JCET Group 17FD3-4 Deep Learning Based Reliability Prediction for BL-TGT Lifetime of Noisoid FCGBA Packages Yang-Yuan Chen, Chen-Chao Wang, Chin-Pin Hung, Advanced Semiconductor Engineering, Inc.	17FE3: Measurement Method 17FE3-1 Integrating Mechanical and Chemical Insights Into Bonding Interfaces via DCB-Based Delamination Analysis Shumpei Murakami, Yuki Yoshihara, Daiki Kobayashi, Ryuki Kusakabe, Marie Sano, Fumihito Inoue, Yokohama National University 17FE3-2 Quantitative Assessment of Bond Strength for Hybrid Bonding Ryuki Kusakabe ¹ , Daiki Kobayashi ¹ , Yuki Yoshihara ¹ , Shumpei Murakami ¹ , Sano Marie ¹ , Shunsuke Teranishi ¹ , Yuya Matsuka ¹ , Daichi Saito ¹ , Naoko Yamamoto ¹ , Fumihito Inoue ¹ , ¹ Yokohama National University, ² DISCO Corporation 17FE3-3 Performance Comparison of Machine Learning Algorithms for Real-Time Temperature Measurement Using Optical-Interference Contactless Thermometry (OICT) Jiawen Yu, Hiroaki Hanafusa, Seiichiro Higashi, Hiroshima University 17FE3-4 Acoustic Emission Signal Filtering for Ultrasonic Vibration-Assisted Grinding Wheel Monitoring Using a Hydrophone Sensor YuKin Lin, Feng Chia University	17FF3: Power Electronics-2 17FF3-1 Near-chip 3D functionalization of direct copper bonded substrates in power electronic modules Christoph Hehl ¹ , Dominik Wiegand ¹ , Marcel Joerg Frankel ¹ , Manuela Ockel ¹ , Friedrich-Alexander University Erlangen-Nuremberg, ² Siemens AG 17FF3-2 Heatsink Design and Wire Bonding Failure Analysis of an Automotive 1.2 kV SiC MOSFET Power Module in Power Cycling Tests Po-Kai Chiu, Ji-Yuan Syu, Ting-Yu Wang, Yu-Hua Wu, Kuo-Shu Kao, Tao-Chih Chang, Industrial Technology Research Institute 17FF3-3 Reliability and Thermal Resistance Characterization of Flip-Chip Interconnections in Gallium Nitride Devices Using Silver Sintering Materials Ching Kuan Lee, Ting-Yu Ke, Yan-Cheng Liu, Po-Kai Chiu, Yu-Min Lin, Industrial Technology Research Institute 17FF3-4 Junction Temperature Estimation Error of Chip-Embedded Temperature Sensor During Transient Thermal Measurement Shuichi Fukunaga, Toshiyoshi Fukami, The University of Osaka
16:20						
Break						
16:35	17FC4: TSV 17FC4-1 Mixed-Foundry Heterogeneous Integration of Bumpless WOW and COW Processes for System-on-Wafer Norio Chiba ¹ , Shinji Sugatani ¹ , Tadashi Fukuda ¹ , Takayuki Ohba ¹ , ¹ Institute of Science Tokyo, ² Tech Extension Co., Ltd. 17FC4-2 Efficient Image Feature Extraction Via YOLO Framework for Critical Parameter Extraction from TSV SEM Imagery SHUYAN HE ¹ , Lang Chen ^{2,3} , Yufeng Jin ¹ , Wei Wang ^{2,3} , ¹ Peking University, ² Peking University, ³ Peking University 17FC4-3 Develop Three-Dimensional Infinite Element Method of Thermal Stress for Through-Silicon Via Analysis DE-SHIN LIU ^{1,2} , WEN-HSUAN CHANG ³ , TING-SHENG CHANG ³ , ZHEN-WEI ZHUANG ³ , YUNG-CHING CHAO ³ , PEI-CHEN HUANG ³ , ¹ National Chung Cheng University, ² National Chung Cheng University, ³ National Chiayi University	17FD4: Reliability-3 17FD4-1 Enhancement of Micro-DIC Technique and Deformation Measurement of Fine-Pitch Semiconductor Packages Hyeonwoo Nam ¹ , Seongkyu Choi ¹ , Minjong Sohn ¹ , Tae Yeob Kang ¹ , Tae-ik Lee ¹ , ¹ Korea Institute of Industrial Technology, ² University of Suwon 17FD4-2 Static Structural and Thermal Analysis of Heterogeneous 3D IC Integration With Different Interposer Materials Deyuan Jiang, Sai Reddy, National Taipei University of Science and Technology 17FD4-3 A Multiscale Simulation Study on Interfacial Crack of Dielectric in Hybrid Bonding Structure Xuanyu Ding ¹ , Yudong Yang ^{1,2} , Chi Zhang ¹ , Hongchao Zhang ¹ , Fei Ding ¹ , Yu Zhang ¹ , Renxi Jin ¹ , Haibo Yang ¹ , Qushu Kang ¹ , Lingyun Zhang ¹ , Qidong Wang ¹ , Wei Wang ^{1,2} , Liqiang Cao ¹ , ¹ School of Integrated Circuits, Peking University, ² Institute of Microelectronics of the Chinese Academy of Sciences, ³ National Key Laboratory of Advanced Micro and Nano Manufacture Technology, ⁴ Beijing Advanced Innovation Center for Integrated Circuits 17FD4-5 Pre-heating influence on thermo-mechanical response of Ag-Au-Pd alloy fine wire during wire bonding process Pei-Chen Huang ¹ , Zhi-Lin Xie ¹ , Wei-Lun Kao ¹ , ¹ National Chung Cheng University, ² National Chung Cheng University	17FE4: Optoelectronics 17FE4-1 Reliability Evaluation of Copper Pin Package-on-Package Structures for Co-Packaged Optics Motokazu Fukuhara, Tatsuki Denzai, Masaki Matsumoto, Futoshi Tsukada, Noritaka Katagiri, Shinko Electric Industries Co., Ltd. 17FE4-2 In-situ XPS Analysis of Hydroxyl Group Generation in Plasma Activation Technology Cheng Peng ^{1,2} , Yihao Meng ^{1,2} , Wenxuan Ma ^{1,2} , Yitong Zhang ^{1,2} , Siwei Sun ^{1,2} , Renxi Jin ^{1,2} , Qidong Wang ^{1,2} , Liqiang Cao ^{1,2} , ¹ State Key Laboratory of Fabrication Technology for Integrated Circuits, ² Institute of Microelectronics of Chinese Academy of Sciences, ³ School of Integrated Circuits, the University of Chinese Academy of Sciences 17FE4-3 Thermal Analysis and Demonstration of Mirror-based Optical Redistribution Layer for Co-packaged Optics Fumi Nakamura, Tatsuchi Suda, Takayuki Kurosu, Akhiro Noriki, Takero Amano, National Institute of Advanced Industrial Science and Technology(AIST) 17FE4-4 High-precision Passive Alignment for Multi-channel Optical Connections in Silicon Photonic Microtransceivers Michiyo Kubo, Shigeru Kobayashi, Koichi Takemura, Kazuhiko Kurata, AIO Core Co., Ltd.	17FF4: Power Electronics-3 17FF4-1 A Flip Chip Embedded PCB Power Module with Double Sided Cooling and Low Parasitic Inductance for Fine Pad Power Devices KAO CHE, Lin Han, Huang Cheng, Chi Kai, Lin Ying, Lin Lung, Yeh Chan, Lin Huiung, Ko Kuei, Industrial Technology Research Institute / Electronic and Optoelectronic System Research Laboratories 17FF4-2 Dynamic and Thermal Performance Evaluation of Three-Phase Full-Bridge Power Factor Correction Converters for On-Board Charger Applications Wen You Jhu ¹ , Hsien-Chieh Cheng ¹ , Yan Cheng Liu ¹ , Tao Chih Chang ¹ , Feng Chia University, ² Feng Chia University, ³ Industrial Technology Research Institute 17FF4-3 Atmospheric Pressure Plasma Processes for Metal Oxide Reduction and Adhesion Improvement in Power Electronics Hisanori Miyoshi ¹ , Dhia Salemi ¹ , Noe Coenen ¹ , Yasser Hamed ¹ , Magnus Buske ¹ , Daphne Pappas ¹ , ¹ Nihon Plasmatreut Inc., ² Plasmatreut GmbH, ³ Plasmatreut USA 17FF4-4 A Power Semiconductor Chip Rework Technology Without Thermal and Mechanical Processes Junba Baik ¹ , Byoungchan Kim ¹ , Ha-Young Yu ¹ , Myoung-Gyu Lee ¹ , Dongjin Kim ¹ , ¹ Korea Institute of Industrial Technology (KITECH), ² Seoul National University (SNU)		
18:15						