

Session 1: Advanced Packaging**431 - Research on the Signal Impedance Optimization Method on 2.5D Si-interposer Design**

Ju Yang, Feng Wu, Kai Yuan, Yanru Ji, Zongwei Wang, Guangyao Li - State Key Laboratory of Mobile Network and Mobile Multimedia Technology, ZTE Corporation

Session 3: Packaging Design & Modeling**331 - Efficient and Accurate Calculation of Equivalent Thermal Conductivity of Wiring Structures in Mesoscopic Scale and Intelligent Prediction**

Hao Zheng, Zhiyan Zhao, Guoshun Wan, Mengxuan Cheng, Wen Qiao, Ruiqian Zheng, Yuxi Jia - Shandong University

Session 5: Advanced Manufacturing**255 - Experimental study on femtosecond laser-induced microjet-assisted trepan drilling of silicon wafer**

Pei Chen, Senyu Tu, Rui Pan, Shaowei Li, Fei Qin - Beijing University of Technology

733 - Controlling the Quality of Inkjet-Printed Quantum Dot Film by Ink-Substrate Interaction

Ning TU - The Hong Kong University of Science and Technology; S. W. Ricky LEE - The Hong Kong University of Science and Technology(GZ)

Session 7: Power Electronics**230 - Mold Void Improvement for Stack die Overhanging Structure Inside Automotive Gate Driver Package**

Xueting Wu, Jinmei Liu, Xingshou Pang - NXP Semiconductor Inc

Session 9: MEMS, Sensors and IoT**323 - Investigation of improving the uniformity of Cudishing depth in Cu-SiO₂ chemical mechanical polishing**

Yujia Liu, Kelaiti Xiao, Kai Zhang, Jin Zhang, Daoxiang Liu - Shanghai Institute of Microsystem and Information Technology(SIMIT)

579 - Investigation of the Output Voltage of a Piezoresistive MEMS Pressure Sensor using Finite Element Modelling

Yuqing Xia, Peng Zhou, Chunming Zhou, Yubao Zhen, Xiyao Du - Harbin Institute of Technology

Session 2: Packaging Materials & Processes**370 - Optimization of the Adhesion and Thermal Conductivity of Thermal Interface Materials for Chip Immersion Cooling via Grafting Polar Groups**

Xiangchao Xie, Jianfeng Fan, Shipeng Rao, Xiaoliang Zeng, Rong Sun - Shenzhen Institute of Advanced Electronic Materials Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences

Session 4: Interconnection Technologies**527 - Simulation, Prediction and Verification of the Thermal and Electrical Properties of Sintered Copper Joints with Random Pore Structure for Power Electronics Packaging**

Wenting Liu, Liangzheng Ji, Pan Liu - Fudan University; Jianhao Wang, Yue Gao, Jing Zhang - Heraeus Materials Technology Shanghai Ltd; Guoqi Zhang - Delft University of Technology

Session 6: Quality & Reliability**410 - Thermo-mechanical fatigue life prediction of SiC power device based on finite element simulation**

Dao-Hang Li, Tianyi Liu, Wenjing Xu, Bowen Zhang, Yi Liu, Yunhui Mei - Tiangong University; Wenwen Yi - General Motors Company

Session 8: Optoelectronics and New Display**652 - Numerical Modeling and Validation of Silicone Type Receiving Layer for Micro-LED Laser-based Mass Transfer**

Zehou Li, Yang Liu - Harbin University of Science and Technology; Liangzheng Ji, Xin Wang, Zaihuan Li, h Jing Zhang - Heraeus Materials Technology

Session 10: Emerging Technologies**175 - Development of Fine Pitch RDL for Large Area Interposer**

Jin Zhao, Fei Qin - Beijing University of Technology; Daquan Yu - Xiamen University/ Xiamen Sky Semiconductor

