GS01 Life Cycle Engineering and Assembly

GS01-02 Circumferential localization of wall thinning on the inner surface of a pipe using microwaves

Yijun Guo, Noritaka Yusa, Hidetoshi Hashizume, Ziran Chen and Xiaokang Liu

Chongqing University of Technology

GS02 Design
GS02-01 How does additive manufacturing combine with bio-inspiration for design innovation? Julien Diperi, David Hernandez-Aristizabal, Santiago Arroyave-Tobon and Jean-Marc Linares Aix Marseille University
GS02-02 Research on high-sensitivity force measuring guide apparatus for joule balance Peng Wu, Pengyue Zhao and Jianwei Wu Harbin Institute of Technology
GS02-04 Investigation of Geometric Accuracy Characteristics of an Ultra-Precision Fine-Pitch Gear Measuring Machine Zhaoyao Shi, Kui Liao, Huixu Song, Zhongpu Wen and Bo Yu
GS02-05 Enhancing Thin-Film Pressure Sensor Performance for Measuring Human Eyelid Pressure Using High-Precision Microarray Structures Teng-Jung Kao, Yu-Zhen Mao, Wen-Kai Li and Chun-Wei Liu
GS02-06 How can nature help us find mechanical solutions: Sustainable, resilient and frugal Jean-Marc Linares Aix Marseille University

GS03 Forming
GS03-01 Experimental Evaluation of a Flowability in Casting Using by Proposed New Test Method Hiraku Minoura, Makoto Nikawa, Kuiyuan Mu and Minoru Yamashita Gifu University
GS03-02 Enhanced Formability and Martensite Transformation in AISI 316 Stainless Steel at Sub-Zero Temperatures Bertolini Rachele, Simonetto Enrico, Savio Enrico, Ghiotti Andrea and Bruschi Stefania UNIVERSITY OF PADUA
GS03-03 Surface quality of titanium alloy upon pre-compression amount in compliant blisk polishing Tingyue Bai, Shuai Chen, Zhitong Chen and Zhenglong Fang
GS03-05 Effect of Chromium Carbide Coating on Mold Releasability from Ground Surface in Compression Molding of Thermosetting Phenol Resin Ryoji Kitada, Chuanzhen Sun, Qin Wang, Koki Yoshida and Akira Okada Sojo University

GS04 Surface Metrology

GS04-01 Advances in Autostereoscopic Freeform Surface Metrology

Benny C.F. Cheung

The Hong Kong Polytechnic University

GS05 Electro-Physical, Chemical Processes
GS05-01 Measurement of discharge reaction force acting on wire electrode in wire electrical discharge machining Wenting Gu, Masanori Kunieda and Wansheng Zhao
GS05-02 Observation of growth behavior of silver precipitates in glass Hirofumi Kawamura, Kodai Meguro, Souta Matsusaka, Keisuke Hara and Hiromi Isobe Nagaoka University of Technology
GS05-03 Role of surface finish on corrosion properties of dissimilar welding of stainless steels Supat Ieamsupapong, Palita Rangsri, Teerapat Bunnarungsi, Noparat Kanjanaprayut and Siriporn Daopiset
GS05-04 Transient Simulation of arc plasma in Electrical Discharge Machining Chen Liu and Xiaodong Yang Harbin Institute of Technology

GS06 Laser machining
GS06-01 Laser machining of optical elements Niklas Sass, Thomas Liebrich, Markus Stenzel, Rodolphe Catrin, Kabil Ramadani, David Bischof, Sven Lämmler and Oliver Fähnle RhySearch
GS06-02 Investigation on the diamond cutting of Inconel 718 using negative rake angle tools Yuhan Li, Wai Sze Yip and Suet To The Hong Kong Polytechnic University
GS06-04 Laser-guided Anisotropic Etching for Precision Machining of Micro-engineered Glass Components Jun Li and Shaolin Xu Southern University of Science and Technology
GS06-05 Investigation of a laser focus detecting system for laser machining Chong Chen, Ziran Chen, Xiaokang Liu and Wei Gao Chongqing University of Technology
GS06-06 Micromachining of carbon fiber reinforced plastics by femtosecond pulsed laser Yuhei Konishi and Jiwang Yan Keio University
GS06-07 Fused silica cylindrical microlens array fabricated by multi-focus laser with CO2 laser polishing Zongyao Li, Peilin Huang, Kang Xu and Shaolin Xu southern university of science and technology
GS06-08 Freeform 3D glass microstructures sculptured with dynamic multi-focus laser Li Yao and Shaolin Xu Southern University of Science and Technology
GS06-09 All-glass nanohole metalens by Non-diffracting Direct Laser Writing Kang Xu, Mandong Zheng, Lingyu Huang and Shaolin Xu
GS06-10 Iterative design of patterned laser spot for customized micro-grooving Pei Qiu and Shaolin Xu Southern university of science and technology

GS07 Additive Manufacturing
GS07-01 Height Control of Microstructures Directly Extruded by Fused Deposition Modeling Processes Yunlong Han, Jining Sun, Yi Zhang, Quanhao Xiao, Hao Jing, Zhiyuan Li, Yongjie Guo, Qing Wang, Mengfan Lv, Wuanyao Wang, Yayong Wang, Zhiyuan Li and Lei Zhang
GS07-03 Design, Fabrication, and Evaluation of Properties Of Novel Hybrid Lattice Structures Şeymanur Sirtli, Cem Batur, Elmas Salamci, Hamed Tanabi and Metin Uymaz Salamci University of Turkish Aeronautical Association
GS07-05 Effect of cobalt content on ultra-thin diamond blades by fused deposition modeling and sintering: blade properti es and machined surface quality Tao He, Shaohe Zhang, Xiangwang Kong, Linglong Rong, Jingjing Wu, Suet To and Wai Sze Yip The Hong Kong Polytechnic University
GS07-06 Direct observation of bubbles inside the molten pool in laser welding of alumina Daijiro Tokunaga, Yuko Aono and Atsushi Hirata Tokyo Institute of Technology
GS07-07 Bead shape stabilization method under laser scanning speed changing condition by controlling deposition conditions for powder DED process Yusuke Yamamoto and Ryuta Sato Nagoya University
GS07-08 Research on Topology Optimization Techniques for Lightweight Design of 3D Printer-Based Cutting Tools JingHua Li, HyungKyu Kweon, GooSang Jung, DongGil Ahn and Ujong Kim research institute of manufactoring and productivity
GS07-09 Research on multi-head design of metal binder jet 3D printer JingHua Li, SangJung Park, HyunKyu Kweon, GooSang Jung, JinUng Jeon and DoHwan Lee Kumoh National Institute of Technology
GS07-11 Evaluation on mechanical characteristic of filament wire fabricated under high shear rate Hiroshi Koresawa, Akira Hidaka, Yuta Kichiji, Masaki Ishii and Hiroyuki Narahara Kyushu Institute of Technology

GS07-12 Effects of particle size and CNT addition on mechanical properties of porous cemented carbides sintered using Ni coated WC particles

Daiki Abe, Tsunehisa Suzuki, Tatsuya Fujii, Matsuyoshi Nomura, Mitsutaka Sato and Koichi Harada

Akita Prefectural University

GS07-13 Additive manufacturing of fine capillary wick with hybrid porous structure using a toolpath-based construction method

Shujie Tan, Pengfei Zhang, Xu Meng, Liping Ding and Yicha Zhang

Nanjing University of Aeronautics and Astronautics

GS07-14 Rotary TIG WAAM Particle Simulation

Andrea Bimbi, Masahiro Kawabata, Togen Tsunekawa and Hiroyuki Sasahara

Tokyo University of Agriculture and Technology

GS08 Atomic and close-to-atomic scale manufacturing
GS08-01 Fabrication of atomic-scale structures on gallium arsenide by tip induced local oxidation and post etching Yangyang Li, Jinyan Tang, Mao Peng and Yuan-Liu
GS08-02 In-process monitoring of current for quality control in scanning probe oxidation lithography of atomic and close-to-atomic structure Mao Peng, Jinyan Tang, Yangyang Li and Yuan-Liu Chen
GS08-03 Atomic and Close-to-atomic Scale Manufacturing of Large-scale Solid-state Nanopore Array Jufan Zhang, Hongshuai Liu, Boyuan Pang and Fengzhou Fang

GS09 Tribology
GS09-01 Influence of radical cleaerance on fault frequency in cylindrical roller bearings Geng Hou and Liangchi Zhang Southern University of Science and Technology
GS09-03 Experimental study on tribochemical wear of diamond on quartz surface Itsuki Otsubo and Akihisa Kubota Kumamoto University

GS10 Precision positioning
GS10-01 Trajectory positioning error compensation and verification for six-axis industrial robot Yu-Ta Chen, Bo-Kuan Lee, Ming-Fu Chen and Chien-Sheng Liu Department of Mechanical Engineering, National Cheng Kung University
GS10-02 Micro/nano vibration suppression of a flexible macro-micro manipulator Lingwei Meng, Yannan Mo, Zixuan Yu, Chen Wang and Yiling Yang Ningbo University
GS10-03 Compensation of Axis-coupled Inertial Forced Vibrations using Machine Tool Feed Drives Kaan Bahtiyar, Eiji Shamoto and Burak Sencer Oregon State University
GS10-04 Iteratively Evaluation-feedback Learning Control Mechanism for Grouped Systems with Similar System Parameters Zhiying He and Hongji Pu Chongqing University of Technology
GS10-05 Study on Positioning Accuracy of Si Chips in Noncontact Holding by Non-contact Chuck Utilizing Ultrasonic Squeeze Effect Seiji Sato, Masaaki Miyatake, Hiroshi Kikuchi and Hayato Hishinuma Tokyo University of Science
GS10-06 A New Absolute Capacitive Angular Displacement Sensor with Single-track Structure based Time-grating Xingchen Fan, Wenwen Dan, Xiaoyang Hu, Zhicheng Yu and Hongji Pu
GS10-07 Control Design for a Precision Positioning Stage Employing Real-Time AI Model Estimation Fu-Cheng Wang, Chi-Wei Wen, Min-Shang Chang, Yan-Teng Chang and Jia-Yushi Yen National Taiwan University
GS10-08 Investigation of distance measurement reproducibility for a long-range nanopositioning machine combined with a laser focus sensor Davi Anders Brasil, Steffen Hesse, Michael Katzschmann, Ludwig Herzog, Thomas Fröhlich and Thomas Kissinger

GS10-09 Floating support properties of fine feed table for non-contact support with squeezed-air effect
Tamaru Yuma, Ushijima Tomohiro and Shimizu Hiroki
Kyushu Institute of Technology

GS10-10 Evaluating Scale Pitch Deviation with Differential Angle Sensors Utilizing Optical Lever and Laser-Autocollimation Methods
Jiucheng Wu, Lue Quan, Yuki Shimizu, Ryo Sato, Hiraku Matsukuma and Wei Gao
Tohoku University

GS10-11 Reduction of crosstalk errors in a two-axis grating interferometer with an Improved Z-Range
Yifan Hong, Ryo Sato, Hiraku Matsukuma and Wei Gao
Tohoku University

GS10-12 Implementation of the Torque Limit Skip for Thermal Error Measurement on Precision Machine Tools
Petr Kaftan, Florian Porquez, Josef Mayr, Konrad Wegener and Markus Bambach

GS10-13 Enhancing Positioning Accuracy of a Parallel Kinematic Manipulator through Machine Learning-Embedded Self-Calibration Strategies
Yu-Jen Chiu and Syamala Jaya Prakash Reddy
Ming Chi University of Technology

GS10-14 Kinematically Redundant (6+3)-DOF Hybrid Parallel Robots with Very Large Rotational Workspace

The University of British Columbia

GS10-15 Latest Advancement on Human-Robot Collaboration in Manufacturing
Lihui Wang
KTH Royal Institute of Technology, Sweden

GS11 Optical metrology
GS11-02 High precision and sensitivity anti-interference 3D coherent ranging based on dual reversely chirped self-mixing lasers Chenxiao Lin and Yidong Tan Tsinghua University
GS11-03 Second harmonic confocal probe with a mode-locked femtosecond laser Ryo Sato, Hiraku Matsukuma and Wei Gao Tohoku University
GS11-04 Research on TSV depth measurement technique using interferometric spectroscopy Zizheng Wang, Zhaoran Liu, Chengpei Bai, Chengyuan Yao, Xinlei Sun and Chunguang Hu Tianjin university
GS11-05 Error analysis for near optical coaxial phase measuring deflectometry with refraction error model Yanling Li, Feng Gao, Yongjia Xu, Zonghua Zhang and Xiangqian Jiang University of Huddersfield
GS11-06 State of the art and novel approaches in angle metrology at the Physikalisch-Technische Bundesanstalt Ralf D. Geckeler, Matthias Schumann, Andreas Just and Michael Krause
GS11-07 Laser-based method for simultaneously measuring length and straightness based on a single quadrant detector Ying Zhang, Fajia Zheng, Jing Yang, Fei Long, Bin Zhang and Qibo Feng Beijing Jiaotong University
GS11-10 Precise Angular Alignment of Birefringent Axes for Polarization Maintaining Fiber Based Electro-optic Sensing Probe Xeung Kwan Kim and Sun Do Ling Korea Research Institute of Standards and Science
GS11-11 An optical sensor for three-axis angle measurement employing imaging sensors Misaki Hosoya, Ryo Sato, Jiucheng Wu, Hiraku Matsukuma and Wei Gao Tohoku University

GS11-12 The centroid based automatic segmentation and weighted localization algorithm for the center of the focused laser spot
Huixu Song and Qingwei Li
Beijing University of Technology (BJUT)

GS11-14 Six Degree-of-freedom Pose Metrology Based on Dual-comb Ranging
Ruilin Jiang, Jinming Li, Lijiang Zeng and Guanhao Wu
Tsinghua University

GS11-15 Straightness measurement with laser beam and deep learning
Ukyo Takata, Satoru Takano, Yohei Yamada, Toshinori Yasuhara, Kohsei Terao and Masato Aketagawa
Nagaoka university of technology

GS11-16 Structured illumination white-light scanning interferometry microscope
Min Seo Cho and Ki-Nam Joo
Chosun university

GS11-17 Second Harmonic Generation (SHG) Angle Sensor based on a Collimated Femto-second Laser Beam
Jiahui Lin, Zhiyang Zhang, Ryo Sato, Hiraku Matsukuma and Wei Gao

GS11-18 Investigation on Performance of Fabry-Pérot Angle Sensor using Mode-locked Femtosecond Laser
Dong Wook Shin, Ryo Sato, Hiraku Matsukuma and Wei Gao
Tohoku University

GS11-19 A real time and accurate vibration measurement method based on an event camera
Xing Qu, Chunyang Ma and Shuming Yang
Xi'an Jiaotong University

GS11-20 Overcoming Single-Photon Detector Limitations in Quantum Ghost Imaging: A Data Processing Approach
Elie Magnon, Yasuhiro Mazutani, Tsutomu Uenohara and Yasuhiro Takaya

GS11-21 Measurement system and experiment of structural deformation with six degrees of freedom in a thermal vacuum environment
Fajia Zheng, Qibo Feng, Bin Zhang, Jing Yang, Fei Long and Ying Zhang
Beijing Jiaotong University

GS11-22 Applying Deep Learning to Far-field Intensity Distribution for Extreme Ultraviolet Mask Defect Inspection Based on Scatterometry
I-Chih Huang, Jia-Han Li, Chao-Te Lee and Wen-Hao Chao

GS11-23 Enhanced 3D Surface Profilometry of Chromatic Confocal Microscopy with Spatially Varying Richardson-Lucy Deconvolution
Han-Ju Tsai, Wei-Chi Hung, Ching-Chia Yen and Liang-Chia Chen
National Taiwan University

GS11-24 Spectroscopic measurement with machine learning for optical sensors employing an ultrashort pulse laser
Yusuke Kobayashi, Dong Wook Shin, Ryo Sato, Hiraku Matsukuma and Wei Gao
Tohoku university

GS11-25 Design of a Small-Angle Laser Scanning and Ranging System with Stationary-Reference
Qingzhao Yang, Liheng Shi, Lijiang Zeng and Guanhao Wu

GS11-26 2D displacement measurement with sinusoidal phase modulation interferometry
Itsuki Nagaoka, Taku Sato, Masato Higuchi and Masato Aketagawa
Nagaoka University of Technology

GS11-27 Enhancing in-process monitoring of additive manufacturing through virtual fringe-projection simulations
Tibebe Yalew, Xiangjun Kong, Qingkang Bao, Gerardo Adesso and Samanta Piano

GS11-28 Quantum enhanced metrology for 3D manufacturing
Jernej Frank, Tommaso Tufarelli, Samanta Piano, Alexander Lvovsky and Gerardo Adesso
University of Nottingham

GS11-29 An enhanced data-processing algorithm for spectrally-resolved interferometry using a femtosecond laser
Tao Liu, Amane Suzuki, Ryo Sato, Hiraku Matsukuma and Wei Gao

GS12 Dimensional metrology
GS12-01 Design and Realization of Three-line Step Height and Surface Roughness Certified Reference Materials Sunghoon Eom and Jonghan Jin
GS12-02 R-test for identifying a kinematic model of articulated arm coordinate measuring machines Tomoaki Kashiwa and Soichi Ibaraki Hiroshima University
GS12-03 Simulation Study on the Measurement of Fuel Rod Oxide Layer Thickness by Eddy Current Ji Li, Zhiyong Deng, Sanjie Gao and Bin xu Nuclear Power Institute of China
GS12-04 High-accuracy measurement of wheel tread geometric parameters based on laser displacement sensors Qixin He, Hao Yuan, Jing Yang, Fajia Zheng and Qibo
GS12-05 A point-by-point probing method for roundness metrology of small cylinders with the coordinate measuring machine Jiali Zhao, Zihan Wang, Yan Zhao and Qiaolin Li Lanzhou University of Technology
GS12-06 Influence of relative intensity in metal-polymer assembly evaluation by X-ray computed tomography Daniel Gallardo, Lucía Díaz, José A. Albajez and José A. Yagüe-Fabra University of Zaragoza
GS12-07 Theoretical modeling of fluorescent confocal detection for surface position determination in dimensional measurement Motoya Yoshikawa, Shuzo Masui, Shotaro Kadoya, Masaki Michihata and Satoru Takahashi The University of Tokyo
GS12-08 Optimization of multiple-orientation dimensional measurement on X-ray CT Osamu Sato, Mari Watanabe, Kazuya Matsuzaki, Mariko Kajima, Souichi Telada, Tsukasa Watanabe, Youichi Bitou and Toshiyuki Takatsuji National Institute of Advanced Industrial Science and Technology
GS12-09 A High-precision Displacement Measurement Method based on Ultrasonic Travelling Waves in Crystals Mingshu Wu, Bai Ji, Guancoing Tao, Yuge Zhang and

GS12-10 Optical calibration system for resin gauges used in X-ray CT
M. Watanabe, K. Matsuzaki, O. Sato, M. Kajima and T. Watanabe
National Institute of Advanced Industrial Science and Technology

GS12-11 Improving the accuracy of workpiece pose estimation of robotic bin picking from stationary and mobile depth cameras
Pung Kyu Lee, Seongin No and Huitaek Yun
Korea Advanced Institute of Science and Technology

GS12-12 Experimental characterization of contact stiffness using an on-machine measurement device
Kaho Hirano, Atsushi Matsubara and Kotaro Mori
Kawasaki Heavy Industries, Ltd.

GS12-13 Aggregation-value-based active sampling method for multi-sensor freeform surfaces measurement and reconstruction
Gengxiang Chen, Yingguang Li, Charyar Mehdi-Souzani and Xu Liu
Université Paris-Saclay USPN

GS12-14 Integrated metrology in manufacturing: connecting digital twins and applications in metal forming
Enrico Savio

GS13 Machine tool metrology and calibration
GS13-01 Development of Adhesion Evaluation Equipment for Nano Diamond Coating using Blasting Method JingHua Li, HyunKyu Kweon and SangJun Park research institute of manufactoring and productivity
GS13-02 Volumetric error modeling and compensation for nine-axis and five-linkage turn-milling compound machine tool Yindi Cai, Daoyuan Dai, Bo Wen, Zihui Zhu, Xianglong Zhu, Zhigang Dong and Renke Kang Dalian University of Technology
GS13-03 Analysis and modeling of volumetric error of ultra-precision grinding machine Ruyue Wang, Yindi Cai, Shiyu Fu, Hongwei Sun, Xianglong Zhu, Xianguang Guo, Zhigang Dong and Renke Kang
GS13-04 Multi-Spindle Calibration for Thermal Error Compensation of Mill-Turn Machines Lang Sebastian, Fix Juliuc, Mayr Josef, Wegener Konrad and Banbach Markus ETH Zurich / inspire AG

GS14 Cyber-physical and digital twin production systems
GS14-01 Suggestion and Investigation of Interlock System for Human Error using Modular Robot Kaoru Mitsuhashi Teikyo University
GS14-02 Enhancing Nanostructure Image Generation Through Physical Rendering Wei-Cheng Jiang and Chao-Ching Ho National Taipei University of Technology
GS14-03 Digital Twin-Driven Work Handling Charles Walker, Abhilash Puthanveettil Madathil and Xichun Luo University of Strathclyde
GS14-04 Optimization of machining programs using machine tool digital twin Chang-Ju Kim, Segon Heo, Chan-Young Lee and Jung-Seok Oh Korea Institute of Machinery and Materials
GS14-05 Digital twin-driven ultra precision manufacturing system Xichun Luo University of Strathclyde

GS15 Artificial intelligence and machine learning in precision engineering
GS15-01 Data-Driven Feature Selection for Bearing Vibration Signal Using Correlation-Based Graph and Social Network Analysis SeyedHesam Hosseinizadeh Mazloumi, Madhurjya Dev Choudhury, Yuqian Lu and Jaspreet Singh Dhupia PhD candidate at University of Auckland
GS15-02 Accurate prediction of 5-axis machining cycle times with machine learning Shih-Hsuan Chien, Shingo Tajima and Burak Sencer Oregon State University
GS15-03 Investigation of energy consumption prediction for ultra-precision machine tools in machining small samples Baolong Zhang, Zhicheng Xu, Wai Sze Yip and Suet To
GS15-04 Dynamic and Precise Localization of Near-Surface Defects in Composite Materials Using Shearography and Spatiotemporal Object Detection GuanLin Li, Yao Hu and Qun Hao Beijing Institute of Technology
GS15-05 The application of CNNs for angle measurement based on second harmonic generation Zhiyang Zhang, Jiahui Lin, Ryo Sato, Hiraku Matsukuma and Wei Gao Tohoku University
GS15-06 Research on Misjudgments Caused by Indistinguishable Speckle Patterns in Bolt Looseness Detection Lin Deng and Zhan Gao Beijing Jiaotong University
GS15-07 Precision in Microtexturing: A Machine Learning Approach to Optimize Surface Parameters and Milling Techniques for Enhanced Topography Pooria A. Farahani, Oltmann Riemer and Daniel Meyer University of Bremen
GS15-08 Efficient and Generlizable Machine Learning for Inline Defect Detection in Battery Laser Welding Xijia Zhao, Joseph Kershaw, Masoud Pour, Junjie Ma, Hassan Ghassemi-Armaki, Blair Calson and Peng Wang

GS15-10 Enhancing Optical Lateral Resolution through Deep Learning-Based Estimation of Zernike Coefficients from System Transfer Functions
Ming-Jie Liu, Yu-Ting Cheng, Yu-Tang Huang and Liang-Chia Chen
National Taiwan University

GS15-11 Physical model-driven single-shot end-to-end absolute phase acquisition strategy
Yiming Li, Mingfeng Chen, Caobo Zhang, Hao Wang, Zinan Li, Weikang chen, Feng Feng, Xiaohao Wang, Weihua Gui, Xiaojun Liang and Xinghui Li
Tsinghua University

GS15-12 Deformation prediction in English wheeling through physics-informed machine learning
Clayton Cooper, Jianjing Zhang and Robert X. Gao
Case Western Reserve University

GS15-13 The effect of data synthesis and regression prediction model for gas electronic nose system
Hongyang Xiao, Qiang Shen, Cao Xia, Yuanlin Xia and Zhuqing Wang
Sichuan University

GS15-14 Development of crystalline lattice scale using scanning tunneling microscope (STM)
Daichi Yoshikawa, Kazushi Iio and Masato Aketagawa
Nagaoka University of Technology

GS17 Semicondutor manufacturing and metrology
GS17-01 Enhancing Dataset Variability in Semiconductor Manufacturing through Domain Adaptation and Advanced Simulation Techniques Chong-Han Hsu, Eugene Su, Bo-En Tsai and Chao-Ching Ho National Taipei University of Technology
GS17-03 New DUV Wavelength - Scanning Scatterometry for Sub-Micron High-Aspect-Ratio OCD Metrology Fu-Sheng Yang, Min-Ru Wu, Yen-Hung Hung, Yuan-Ci Lin, Bo-Chen Kuo and Liang-Chia Chen
GS17-04 Optimizing Fourier Hyperspectral Scatterometry with Global Sensitivity Analysis for Semiconductor OCD Metrology Yen-Hung Hung, Min-Ru Wu, Fu-Sheng Yang, Bo-Chen Kuo, Yuan-Ci Lin, Surajit Das and Liang-Chia Chen National Taiwan University
GS17-05 Basic study of plasma dicing for SiC wafer using high-pressure plasma Shunto Iden, Yuken Matsumura, Jumpei Yamada, Daisetsu Toh, Kazuto Yamauchi and Yasuhisa Sano Osaka university
GS17-06 Dimension reduction of electromagnetic field on the top surface of 3D through silicon via array by using singular value decomposition Song-En Chen, Chih-Chung Wang and Jia-Han Li National Taiwan University