

The 8th International Workshop on Advanced Patterning Solutions

第八届国际先进光刻技术研讨会

October 15-16, 2024, Nanhu Hotel, Jiaxing, Zhejiang Province, China 2024年10月15日至16日,南湖宾馆嘉禾厅,浙江嘉兴,中国 (October 14 for registration, 10月14日注册)

Agenda 会议日程

Program Chairs: Danping Peng, Toru Fujimori, Wenzhan Zhou Registration 洋冊

Registration	注		
14 Oct. 2024		10:30-20:00	@酒店大厅&嘉禾厅
15-16 Oct. 2024		08:00-17:00	@嘉禾厅 JIAHE Grand Ballroom
DAY 1:			
15 Oct. 2024 (15 Oct. 2024 (Tuesday)		
JIAHE Grand	l Ballro	oom 嘉禾厅	
DAY 1-Morn	ing		
08:30-09:00	Oper	ning Ceremony & Welco	ome Address
00.30-09.00		r: Yayi Wei(韦亚一)	
	Conf	erence Chairs Address	
	Jianlin Cao (曹健林)		
	Tianchun Ye (叶甜春)		
Welcome	Host	/Organizer Address	
Address	TB	-	
		ram Chairs Address	
		ru Fujimori	
		enzhan Zhou (周文湛)	
09:00-10:10		ary Session I	
03.00 10.10		r: Wenzhan Zhou	
		utes Q&A for each talk	
		ang Lei (Seimens EDA)	
09:00-09:35	`	,	aphy Technology as State-of-Art Mask
			s Applications in High Volume IC Chip
		uction	
		Fujimori (Fujifilm):	
09:35-10:10			otoresist development for stochastic
	redu	ction	

10:10-10:40	Group Photo & Coffee Break
10:40-12:10	Advanced Photoresist Session
10.40-12.10	Chair: Toru Fujimori & Bing Li 李冰
	5 minutes Q&A for each talk
	Guoqiang Yang (ICCAS):
10:40-11:05	(INVITED) The Research and Development of Ultra-High-Resolution Resists
	Feng Luo (Nankai University):
11:05-11:30	(INVITED) EUV Photoresist for Advanced 0.55NA Lithography
	Feng Xu (Pibond):
11:30-11:50	Resist and underlayers – recent developments in material, patterning
	and pattern transfer processes
11:50-12:10	Chunxiao Mu (HUST):
	Wiener-Padé Model for Lithographic Resist Modeling
12:10-13:40	Lunch
12.10-13.40	Luici
DAY 1-After	noon
13:40-15:30	Plenary and Metrology Session II
13.40-13.30	Chair: Guoqiang Yang 杨国强 & Shiyuan Liu 刘世元
	5 minutes Q&A for each talk
	Hong Xiao (ASML):
13:40-14:15	(KEYNOTE) SEM signal enhancement of buried patterns and buried defects
	Yong Wang (Shanghai Advanced Research Institute):
14:15-14:40	(INVITED) EUV actinic reticle inspection beamline at Shanghai
	Synchrotron Radiation Facility
	Xiaosong Liu (USTC):
14:40-15:05	(INVITED) Hefei Light Source – the Low Energy Synchrotron Facility
	for EUV-Lithography Research
15:05-15:30	Byoungho Lee (Hitachi High-tech):
	(INVITED) MI's new challenges and approaches
15:30-15:50	Coffee Break
20.00	
15.50 17.20	Advanced Computational Lithography Session
15:50-17:30	Chair: Yaobin Feng 冯耀斌 & Weimin Gao 高伟民
	5 minutes Q&A for each talk
45 50 46 15	Qiang Wu (Fudan University):
15:50-16:15	(INVITED) A SMO Software Designed for Today and Tomorrow's
	High-end Integrated Circuit Manufacturing Processes

16:15-16:40	Jiang Yan (NICIC): (INVITED) Thoughts Given to Optical Proximity Correction (OPC)
16:40-17:05	Xu Ma (BIT): (INVITED) Advanced Computational Lithography based on Information Theory
17:05-17:30	Kan Zhou (Shanghai Huali): (INVITED) Silicon Process Characterization Based on Massive SEM Contour Extraction and Hotspot Pattern Decomposition
	D. C. C.
17:30-18:30	Poster Session Authors should be present at your poster.
18:30-20:30	Welcome Banquet for all attendees 晚宴 (JIAHE Grand Ballroom 嘉禾厅)

Day 2:	Day 2:		
16 Oct. 2024 (Wednesday) —— Parallel Session I, 并行报告会场 I			
JIAHE Grand	JIAHE Grand Ballroom Part A,嘉禾厅 A		
DAY 2-Morning			
08:30-10:20	Equipment Session		
08:30-10:20	Chair: Jing Li 李璟 & Yun Zhan 詹云		
	5 minutes Q&A for each talk		
	Billy Tang (ASML-Cymer):		
08:30-08:55	(INVITED) Sustainability & Availability Improvements from Light		
	Source Technology Enhancements		
	Yang Liu (Harbin Institute of Technology):		
08:55-09:20	(INVITED) Intelligent ultra-precision motion control technology for		
	lithography equipment		
09:20-09:40	Zhen MA (EDWARDS):		
09.20-09.40	Lithography Vacuum and exhaust gas management for EUV high NA		
	Jibin Leng (Hangzhou Cobetter Filtration Equipment Co., Ltd.):		
09:40-10:00	New Polyethylene Filter Development for Next Generation		
	Lithography		
	Sebastian Vollmar (Carl Zeiss SMT GmbH):		
10:00-10:20	MeRiT® MG neo - a new Photomask repair solution for the mature		
	market		
10:20-10:40	Coffee Break		
10:40-12:10	Mask Session		
	Chair: Lifeng Duan 段立峰		
	5 minutes Q&A for each talk		
10:40-11:10	Hong Chen (Shenzhen GWX Technology Co.):		
	(INVITED) Significance Investigation on Thickness Effects of Mask on		

	28nm Node and Below
	Dejian Li (Uni Semiconductor Corp):
11:10-11:30	(INVITED) Evaluation of Lithography Printability Review in Mature
11.10 11.50	Node Photomask Manufacturing
	Shuying Deng (Sun Yat-sen University):
11:30-11:50	Development of a synchrotron-based EUV microscope for actinic
11.50-11.50	mask inspection
	Fu Li (Beijing Superstring Academy of Memory Technology):
11:50-12:10	Optimizing Mask Manufacturability and Image Quality: Exploring
11.50-12.10	Variable Fracture Sizes in Inverse Lithography
	variable Tractare Sizes in inverse Endography
12:10-14:00	Lunch
12.10 11.00	Butter
DAY 2-Aftern	1001
	Metrology and Inspection Session
14:00-15:30	Chair: Jiangliu Shi 师江柳
	5 minutes Q&A for each talk
	Youngsu Kim (KLA):
14:00-14:25	(INVITED) Broadband Optical Wafer Inspection for Process Control:
11.00 11.20	Industry challenges and Technology inflections
	Yuanliu Chen (Zhejiang Univ.):
14:25-14:50	(INVITED) In-process measurement and control for ultraprecision
	cutting
	Qiuping Nie (Yuwei Semi. Tech.):
14:50-15:10	Method for Improving Overlay Accuracy
	Qimeng Sun (the Fifth Electronic Research Institute of MIIT):
15:10-15:30	Non-destructive measurement of temperature in the micro-area wafer
	using Mueller matrix spectroscopic ellipsometry
15:30-15:50	Coffee Break
1F.F0 16.FF	Other Lithography and Process Session
15:50-16:55	Chair: Shisheng Xiong 熊诗圣
	5 minutes Q&A for each talk
	Jie Liu (Hunan Univ.):
15.50.16.15	(INVITED) A Hybrid Proximity Effect Correction Method based on
15:50-16:15	Separation of Forward-/Back-Scattering and Cumulative Distribution
	Function
	Jianguang Xian (JiTong Technology Guang Zhou Co,):
16:15-16:35	Extended Theoretical Review of a new approach of Lithography at nm
	Resolution
	Bo Feng (Hunan University):
16:35-16:55	All-dry wafer thinning and Ru-filled nanoTSV-Middle processing for
	Backside Power Distribution

16:55-17:00	Closing Plenary Address 闭幕致辞
	Chair: Wenzhan Zhou, Yayi Wei

<u>Day 2:</u>			
16 Oct. 2024 (Wednesday) —— Parallel Session II, 并行报告会场 II			
	JIAHE Grand Ballroom Part B, 嘉禾厅 B		
DAY 2-Morn			
08:30-10:20	Computational Lithography Session		
	Chair: Qiang Wu 伍强 & Sikun Li 李思坤		
	5 minutes Q&A for each talk		
	Yijiang Shen (GUST):		
08:30-08:55	(INVITED) Inverse lithography with adaptive threshold		
	regularization		
00 55 00 00	Qi Wang (Fudan Univ.):		
08:55-09:20	(INVITED) Source-Mask Co-Optimization Study for Typical EUV		
	Design Rule Patterns with 40 nm Minimum Pitch		
00.20.00.40	Miao Yuan (BIT):		
09:20-09:40	Zernike polynomial based pupil wavefront optimization technology		
	for extreme ultraviolet lithography		
09:40-10:00	Pinxuan He (HUST): Linearized ELIV mask entimization based on the adjoint method		
	Linearized EUV mask optimization based on the adjoint method Ying Li (Fudan Univ.):		
10:00-10:20	Source-Mask Co-Optimization Study for 7 nm Metal Layer Patterns		
10.00-10.20	with 80 nm Minimum Pitch		
	With 60 full Minimum Fixer		
10:20-10:40	Coffee Break		
10.20 10.10	Correct Break		
	AI Driven Lithography Session		
10:40-12:10	Chair: Xu Ma 马旭 & Yijiang Shen 沈逸江		
	5 minutes Q&A for each talk		
	Shengrui Zhang (DJEL):		
10:40-11:05	(INVITED) PanGen DMC: AI powered solution for fast design		
	manufacturability check		
	Haizhou Yin (Siemens EDA):		
11:05-11:30	(INVITED) Monotonic Machine Learning for Retargeting Layer		
	Generation by Leveraging Contour-Based Metrology		
	Ying-chen Wu (ASML Brion):		
11:30-11:50	GAOPC Improves OPC Parameter Search Efficiency and		
	Convergence Speed		
11:50-12:10	Haibin Yu (Huali):		
	SONR based gauge down sampling for OPC model calibration		
12:10-14:00	Lunch		

DAY 2-Aftern	100n	
14:00-15:25	Design and Process Session	
	Chair: Xiaodong Meng 孟晓东 & Jacky Cheng	
	5 minutes Q&A for each talk	
	Cai Chen (AMEGADAC):	
14:00-14:25	(INVITED) The Application of Multiple Patterning Solutions Based on	
	Process Window Analysis in Lithography	
	Chang XU (JHICC):	
14:25-14:45	From 1D-Spot to 2D-Plain: A Computer Vision Based Comprehensive	
	Approach for Process Window Qualification	
	NanNan Zhang (GalaxyCore Semiconductor Limited):	
14:45-15:05	A method of Combing Optical Proximity Correction and Design	
	Layout Optimization to Improve Process Window	
	Jiwei Shen (East China Normal University):	
15:05-15:25	Large-scale chip layout pattern clustering method based on graph	
	matching	
15:25-15:45	Coffee Break	
15:45-17:05	Process and Simulation Session	
13.43-17.03	Chair: Feng Shao 邵峰	
	5 minutes Q&A for each talk	
	Yuyang Bian (Huali):	
15:45-16:05	Edge Placement Error Analysis Through Backscattered Electron	
	Imaging	
	Fuxun Chen (Zhejiang Univ):	
16:05-16:25	Achieving High-Accuracy and Noise-Robust Process Window	
	Analysis through Stepwise Regression	
	Kan ZHOU (Huali):	
16:25-16:45	Evaluation of Hotspots EPE Propagation Through Step-by-Step SEM	
	Contour Analysis	
16:45-17:05	Yuxing Zhou (Beijing Superstring Academy of Memory	
	Technology):	
	Spider mask reticle heating impact to on product overlay	
17:05-17:10	Closing Plenary Address 闭幕致辞	
	Chair: Wenzhan Zhou, Yayi Wei	

Agenda is subject to change

Poster Session		
15 Oct. 2024		
17:30-18:30 Outdoor of JIAHE Grand Ballroom 宴会厅前廊		
IWAPS2024- P-01	CHIH-LI(Julius) Chen, Ting Wang, Jifeng Miao, He Li, Changqi Sun, Dawen Yang, Pinhong Lin, Xiaodong Meng (Rong Semiconductor Co., Tsinghua Univ., AMEGADAC) An effective Methodology of filter, measure and align SEM image in model calibration	
IWAPS2024- P-02	Xinyuan Zhang, Miaohong Yao, Shibin Xu, Kun Ren, Yongyu Wu (Zhejiang ICsprout Semiconductor, Zhejiang Univ. Siemens EDA) SEM contour extraction application on opc model of CT layer	
IWAPS2024- P-03	Ruixiang Chen, Yang Zhao, Rui Chen (Sun Yat-sen University) Inverse lithography based on a physics-driven deep learning approach	
IWAPS2024- P-04	Yongkang Liu, Wei Zhao, Ruixiang Yan, Kai Ni, Yuandong Gu, Jianlin Li (Shanghai University, Shanghai Melon Technology Co., Shanghai Industrial µTechnology Research Institute) Research on Optical Proximity Correction with Embedded Coordinate Convolution Module	
IWAPS2024- P-05	Dion King, Ying Zhang, Qijian Wan, Ruizuo Hou, Shiwei Zhang, Chunshan Du (Huahong Grace Semiconductor Manufacturing Corporation, Siemens EDA) A Fully Automatic and Generic Method for Classifying Repeating Array Designs	
IWAPS2024- P-06	Liuye Meng, Kun Ren, Yongyu Wu, Dawei Gao, Zheju Yan (Zhejiang University, Zhejiang ICsprout Semiconductor Co.) Fast Layout Pattern Matching Using Spatial Indexing	
IWAPS2024- P-07	He Yang, Miao Yuan, Zhaoxuan Li, Zhen Li, Yanqiu Li (Beijing Institute of Technology) Fast curvilinear optical proximity correction adopting quasi-uniform B-spline curves	
IWAPS2024- P-08	Zhen Li, He Yang, Miao Yuan, Zhaoxuan Li, Yuqing Chen, Yanqiu Li (Beijing Institute of Technology) Fast lithographic source optimization adopting RMSProp with iterative shrinkage-thresholding algorithm compressive sensing for high fidelity patterning	
IWAPS2024- P-09	Zhilong Zhong, Jiamin Liu , Hao Jiang, Honggang Gu, Shiyuan Liu (Huazhong University of Science and Technology) EUV Lithography imaging modeling and calculation based on full-vector beam propagation method	
IWAPS2024- P-10	Zhaoxuan Li, Miao Yuan, He Yang, Zhen Li, Yuqing Chen, Yanqiu Li (Beijing Institute of Technology) Enabling Source and mask optimization by creating a dynamic aberration model	

IWAPS2024- P-11	Hongye Gao, Linqiang Ye, Jingfeng Kang, Wei Li, Aijiao Zhu, Xuanyu Ta, Jincheng Pei, Kevin Huang (Peking Univ., Semiconductor Manufacturing Beijing Corporation, KLA) Implementation of a Versatile and Efficient Monitoring System in Semiconductor High-Volume Manufacturing
IWAPS2024- P-12	Di Liang, Hao Yang, Yufei Sha, Yuxing Zhou, Jiahao Xi, Enqiang Tian, Mingyi Yao, Ganlin Song, Jiangliu Shi, Miao Jiang (Beijing Superstring Academy of Memory Technology) A study of aerial image NILS and exposure energy as improvement factors for LER
IWAPS2024- P-13	Yogev Baruch, Shuo Liu, Shu Lu, Shalev Dror, Zhenyu Wu (Zeiss) ZEISS ForTune provides Intra-Field solutions at High Lateral Resolution for CDU and Overlay to increase IC manufacturing performance
IWAPS2024- P-14	Jiwei Shen (East China Normal University, Huali) Photolithographic Image Prediction Using Weak Supervision and Feature Encoding
IWAPS2024- P-15	Yongyu Wu, Miaohong Yao, Shibin Xu, Kun Ren, Dawei Gao, Xiaoci Li, Qijian Wan, Chunshan Du (Zhejiang University, Zhejiang ICsprout Semiconductor Co., Siemens EDA) Accurate SEM Contour-Based Measurement and Analysis of SRAM Patterns for Enhanced Design Optimization
IWAPS2024- P-16	Kunyang Li, Jinjiang Fu, Shuying Deng, Zhou Zhou (Institute of Advanced Science Facilities, Sun Yat-sen University) Application of Wiener Filter in Mask Detection
IWAPS2024- P-17	Shengru Niu, Yiming Xu,Jing Zhou,Yichen Zhang, Weixuan Zeng,Shisheng Xiong (Fudan University, Zhangjiang laboratory) Measurement and Analysis Algorithm for Sub-30 nm Patterns of Hexagonal Arrays in Microphotography
IWAPS2024- P-18	Zheng Lan, Wei Zhao, Xiupeng Shi (Shanghai University) Advancing Semiconductor Defect Detection with Integrated Deep Learning and Color Scale Preprocessing
IWAPS2024- P-19	Hao Yang, Di Liang, Yuxing Zhou, Jiahao Xi, Enqiang Tian, Mingyi Yao, Ganlin Song, Jiangliu Shi, Miao Jiang (Beijing Superstring Academy of Memory Technology) The implementation of overlay compensation between multiple photo layers generated by a single mask
IWAPS2024- P-20	Hongye Gao, Linqiang Ye, Jingfeng Kang Lingyi Guo, Gaolin Mu, Jincheng Pei (Peking University, Semiconductor Manufacturing Beijing Corporation, KLA) Customized Metrology Target Design Against OPO Challenges
IWAPS2024- P-21	Botong Zhao, Yue Lu, Kan Zhou, Wenzhan Zhou (East China Normal University, Shanghai Huali Microelectronics Corporation)

	Integrated Circuit Defect Classification Based on Multi-layer Attention Mechanisms	
	Xintong Zhao, Botong Zhao, Jiwei Shen, Hu Lu, Pengjie Lou,	
IWAPS2024- P-22	Kan Zhou, Wenzhan Zhou (Shanghai Huali, East China Normal University) Machine Learning Based Using Layout to Generate Reference SEM	
	Images for Defect Inspection	
IWAPS2024-	Lin Du (Shanghai Huali)	
P-23	OCD Accuracy Improvement through Auto-TEM measurement	
1 20	Zhiping Mou, Kun Ren, Dawei Gao, Shibin Xu, Yanjiang Li,	
	Chenwei Sun, Bo Pang (Zhejiang University, Zhejiang ICsprout	
IWAPS2024-	Semiconductor Co.Ltd, Siemens EDA)	
P-24	An efficient way towards massive CD-SEM metrology recipes based	
	on Line Scan analysisrelease your hands	
	Tao Wang, Changchang Zhuang, Guo Yang, Hanshen Xin, Lin Jiang,	
IWAPS2024-	Jianhua Zhang (Shanghai University)	
P-25	Interface engineering of underlayer of chemically-amplified EUV	
	photoresists to enhance the photolithographic performance	
IWAPS2024-	Xianguo Dong (Shanghai Huali)	
P-26	Study on Interaction Between Bottom SIARC and Photoresisit	
	Jinyuan Song, Jing Li, Qingchen Wang, Qingyang Zhang, Wenhe	
IWAPS2024-	Yang (Zhejiang University, Northeastern University)	
P-27	Data-Driven Prediction and Interpretation of Defect States in II-oxides	
	wide-bandgap semiconductors	
	Qingchen Wang, Jing Li, Qingyang Zhang, Jinyuan Song, Dazhong	
IWAPS2024-	Ma (Zhejiang University, Northeastern University)	
P-28	Prediction and Design of Sapphire Materials Using Deep Transfer	
	Learning and Materials Informatics	
	Pengyu Sun, Fazhi Song , Yang Liu, Jiubin Tan (Harbin Institute of	
IWAPS2024-	Technology)	
P-29	Frequency-domain Modeling-free Learning Control for Wafer Stages	
	with Transient Improvement by Adaption	
	Guo Yang, Lifang Wu, Tao Wang, Xingyang Wu, Shenghao Wang,	
IWAPS2024-	Luqiao Yin, Zihan Wang, Lin Jiang, Jianhua Zhang (Shanghai	
P-30	University)	
	Vacuum cleaning of amorphous carbon using hydrogen plasma for	
	EUV lithography	
IWAPS2024- P-31	Yuqing Chen, Yanbei Nan , Tong Li, Zhenkun Zhang , Yanqiu Li	
	(Beijing Institute of Technology)	
	Allocation method of micromirror array for deep ultraviolet	
	illumination system Wondo Yang Jing Li Guanghua Yang Jinyuan Song (7hajiang	
IWAPS2024- P-32	Wenhe Yang, Jing Li, Guanghua Yang, Jinyuan Song (Zhejiang University)	
	Potential Application of Mueller Matrix Spectroscopic Ellipsometry	
	i oteritiai Application of Muener Matrix Spectroscopic Empsometry	

	for Alignment in Advanced Lithography
	Yingxiao Li, Zhinan Zeng (Shanghai Institute of Optics and Fine
IWAPS2024-	Mechanics)
P-33	Study on EUV mask blank inspection with multi-wavelength high
	harmonic generation EUV source
	Hongwei Huang, Haolan Wang, Yuyang Liu, Sikun Li (Shanghai
IWAPS2024-	University, Shanghai Institute of Optics and Fine Mechanics)
P-34	TransUNet-Based End-to-End Proximity Effect Correction for
	Electron Beam Lithography
IIA/A DC2024	Biao Wang, Qiancheng Wang, Bo Feng (Hunan University)
IWAPS2024-	Dummy-filled nTSV-first Process and Its Application in Backside
P-35	Power Delivery Networks (BSPDN)
IIA/A DC2024	Kaisheng Chen (Shanghai Optical Lithography Engineering Corp.)
IWAPS2024-	Fresnel Diffraction by Rectangular Aperture: A Non-approximate
P-36	Integral Theorem and Aperture Pattern Correction
IWAPS2024-	Hongbin Chen, Feifeng Huang, Qiancheng Wang, Biao Wang, Bo
P-37	Feng (Hunan University)
1-37	Low Temperature Oxidation for nanoTSV-last Process in BSPDN
	Zhao Chen, Feifeng Huang, Biao Wang, Qiancheng Wang, Bo Feng
IWAPS2024-	(Hunan University)
P-38	Atomic Layer Deposition of Ru in nanoTSV for Low- resistivity
	Electrical Connections
	Feifeng Huang, Qiancheng Wang, Biao Wang, Bo Feng (Hunan
IWAPS2024-	University)
P-39	Enabling Backside Interconnects for Power Delivery Via High-
	Precision Integration of nTSV-middle with the Buried Power Rails
****	Jingyu Chen, Puzhen Li, Yudan Su, Weixuan Zeng, Shisheng Xiong
IWAPS2024-	(Fudan University, Zhangjiang laboratory)
P-40	Integration of Deep Learning for Nonlinear Spectral Decomposition
	of in Situ interfaces Analysis
	Zhiyong Wu, Jiacheng Luo, Qingshu Dong, Jiaxiang Li, Xingran Xu,
IWAPS2024-	Zili Li, Weihua Li, Yan Zhang, Shisheng Xiong (Fudan University,
P-41	Zhangjiang laboratory)
	Quadruple hole multiplication by Directed Self-assembly of Block
	Copolymer
	Jiacheng Luo, Zhiyong Wu, Zili Li, Yan Zhang, Shengxiang Ji,
IWAPS2024-	Shisheng Xiong (Fudan University, Zhangjiang laboratory,
P-42	Changchun Institute of Applied Chemistry)
	Influence of sidewall affinity on the directed self-assembly for contact
	hole multiplication
IWAPS2024- P-43	Kangpeng Huang, Wenhao Wang, Jiacong Zhao, Siyu Feng,
	Zhaoyang Lan, Zhensheng Zhang, Xuefeng Song, Dapeng Yu
	(Southern University of Science and Technology, Shenzhen
	Institute for Quantum Science and Engineering, Hefei National

	Laboratory)
	Application of path planning in vector scanning electron beam
	lithography
IWAPS2024- P-44	Eddy Liu, Steven Zeng, Fangyi Shi, Yue Li, Terry Pan, and Jinbo Liu
	(Cansemi, Optimlitho)
	Rigorous Simulation for Impact of Wafer Topography on Critical
	Dimension
IWAPS2024- P-45	Xin Sun, Jun Ke,and Xu Ma(Beijing Institute of Technology)
	Thermal Microscopic Imaging based on Diffusion Models for Super-
	resolution Inspection
IWAPS2024- P-46	Ziqi Li, Lisong Dong, Xiaojing Su, Wei Zhao, Yayi Wei, Lijie Zhang
	(IMECAS, UCAS, STIC)
	A fast method for aerial image blur evaluation
IWAPS2024- P-47	Jingjing Li, Yi Tong, Guangjian He, Junyu Lu and Yu Wang (GIICS)
	A methodology for random placement of unit patterns to identify
	potential design and process optimizations

Agenda is subject to change For update agenda and further information, please visit the website: www.iwaps.org