

Day 1		8月19日(星期一) Registration: 13:00~17:00	
13:00~17:00	報到 L [Lobby]		
13:00~14:00	SNDCT 海報張貼 L [玫瑰廳]		
14:00~15:00	SNDCT 海報評分 L [玫瑰廳]		
15:00~17:00	Special Session I Panel Discussion: 迎向職場人生 Chair: Prof. 冉曉雯 Panelists: 彭冠宇、沈香吟、蘇聖荃、姜直呂 By 女科技人學會/IEEE 中華民國分會/中國工程師學會 L [百合廳]		
17:00~18:00	房卡領取 L [Lobby]		
17:20	SNDCT 摸彩箱封箱 L [百合廳]		

Day 2		8月20日(星期二) Registration: 9:00~17:00	
09:00~17:00	報到·房卡領取 L [Lobby]		
09:30~09:40	IEDMS & SNDCT 2024 Opening Ceremony L [百合廳]		
09:40~10:30	Plenary Speech I Device, Materials, and Process Technologies Beyond the Exit of the Device Miniaturization Tunnel Prof. H.-S. Philip Wong School of Engineering, Stanford University, USA L [百合廳]		
10:30~10:35	Group Photo		
10:35~10:50	Coffee Break		
10:50~11:40	Plenary Speech II Bio-Interface of Electron Devices Prof. Edwin C. Kan School of Electrical and Computer Engineering, Cornell University, USA L [百合廳]		
11:40~12:30	Plenary Speech III Next Generation Electronic Materials for Ultratronics 2D Transition Metal Dichalcogenides Prof. Zhihong Chen Elmore School of Electrical and Computer Engineering, Purdue University, USA L [百合廳]		
12:30~13:30	Lunch L [百合廳]	12:40~13:20	企業技術講座 I 建構未來：下世代半導體前瞻技術展望 焦長泰 營運副總 / Lam Research 科林研發股份有限公司 L [百合廳]

Track	Room	Topic/ Speaker				Special Session II A 世代前瞻半導體技術專案計畫 Chair: 巫勇賢教授、劉柏村教授 1F R105 [玉蘭廳] 13:30-14:00 Steve S. Chung Resistive-gate Memory: A Promising Solution for Angstrom Generation CMOS 14:00-14:30 Ya - Chin King High Density Embedded 3D Stackable Via RRAM in 16nm FinFET CMOS Logic Process 14:30-15:00 Jia-Min Shieh Emerging memory embedded monolithic 3D Circuits 15:00-15:30 Pin Su Key Technologies of Ferroelectric Devices: Ferroelectric-Antiferroelectric Materials and Physics, Low-Power Memories and Computation with Energy Efficiency 15:30-16:00 Po-Tsun Liu Advanced Monolithic Three-dimensional Integrated Circuits with High-Density Multi-stacked Transistors	EDMA 理事監事會議 L [順園] 13:30-15:50
Invited Talk Track A-1	L [百合廳]	BEOL-compatible Layered Materials for M3D Applications Speaker Prof. 邱博文 / 國立清華大學電機系暨電子所					
Invited Talk Track B-1	1F R101 [櫻花廳]	The Art of Driving Power Semiconductor Devices Speaker Prof. Wai Tung Ng / Department of Electrical & Computer Engineering, University of Toronto					
Invited Talk Track C-1	1F R102 [桂花廳]	Perspective on Diamond Semiconductor Speaker Prof. 張立 / 國立陽明交通大學材料科學與工程學系所					
Invited Talk Track D-1	1F R103 [海棠廳]	Research and Technology Advances of 3D IC Speaker Prof. 陳冠能 / 國立陽明交通大學電子研究所					
Invited Talk Track E-1	1F R104 [薔薇廳]	High Resolution Color Conversion Layer Based on Colloidal Quantum Dots Speaker Prof. 林建中 / 臺灣大學光電工程學研究所					
	L [百合廳]	1F R101 [櫻花廳]	1F R102 [桂花廳]	1F R103 [海棠廳]	1F R104 [薔薇廳]		
13:50~14:50	Oral A1 IA005 IA006 IA007 IA010	Oral B1 IB002 IB006 IB007 IB010	Oral C1 IC037 IC040 IC043 IC045	Oral D1 ID006 ID008 ID011 ID014	Oral E1 IE001 IE002 IE008 IE011		
14:50~15:50	Oral A2 IA018 IA024 IA025 IA031	Oral B2 IB013 IB022 IB023 IB025	Oral C2 IC049 IC053 IC058 IC005	Oral D2 ID016 ID018 ID024 ID025	Oral E2 IE013 IE015 IE019 IE020		
15:50~16:10	Coffee Break						
14:30~16:10	112 年度國科會工程處微電子工程學門固態電子領域成果發表會報到&海報張貼 L [玫瑰廳]						
16:10~17:30	112 年度國科會工程處微電子工程學門固態電子領域成果發表會經驗分享 L [百合廳]						
17:30~18:10	112 年度國科會工程處微電子工程學門固態電子領域成果發表會海報評分 L [玫瑰廳]						
18:30~	Banquet L [芙蓉廳]						

Day3	8月21日(星期三) Registration: 9:00~12:00					
09:00~12:00	IEDMS 海報張貼 L [玫瑰廳]					
	Track	Room	Topic/ Speaker			Special Session II A 世代前瞻半導體技術專案計畫 Chair: 金雅琴教授、侯拓宏教授 1F R105 [玉蘭廳] 09:20 - 09:50 C. W. Liu Nanosheet Extensions and Beyond 09:50 - 10:20 Yeong-Her Wang Development, Measurement, and Simulation of Advanced High-Density/High-Performance Transistors for Å-Generation Technology Nodes and Low-Temperature High-Performance Computing 10:20 - 10:30 Coffee Break 10:30 - 11:00 An-Yeu (Andy) Wu Developments of Enabling Devices and Intelligent Architectures for High-Efficiency Memory-Augmented Neural Network (MANN) 11:00-11:30 Wei-Zen Chen An Energy-Efficient Dual-Mode Computing-in-Memory Accelerator for AIoT Devices
09:00~09:20	Invited Talk Track A-2	L [百合廳]	Exploring Opportunities and Challenges of SRAM Based on 2D-Material FETs Speaker Prof. 胡璧合 / 國立臺灣大學電機工程學系			
	Invited Talk Track B-2	1F R101 [櫻花廳]	p-GaN Extension Engineering in E-mode p-GaN Gate AlGaIn/GaN HEMTs Speaker Prof. 辛裕明 / 國立中央大學電機工程學系			
	Invited Talk Track C-2	1F R102 [桂花廳]	Scalable and Controllable Phase/Structure-Engineered Two-Dimensional Layered Hybrid Films Toward Functional Devices Speaker Prof. 關郁倫 / 國立清華大學材料科學工程學系			
	Invited Talk Track D-2	1F R103 [海棠廳]	Semiconductor-based 2D Chemical Imaging Sensors for Neuron Cell Monitoring Speaker Prof. 楊家銘 / 長庚大學光電工程研究所			
	Invited Talk Track E-2	1F R104 [薔薇廳]	Beam Steering and Dynamic Focusing with Photonic Integrated Circuits Speaker Prof. 張祐嘉 / 國立陽明交通大學光電工程學系			
	L [百合廳]	1F R101 [櫻花廳]	1F R102 [桂花廳]	1F R103 [海棠廳]	1F R104 [薔薇廳]	
09:20~10:20	Oral A3 IA033 IA037 IA040 IA055	Oral B3 IB044 IB045 IB047 IB048	Oral C3 IC062 IC063 IC065 IC067	Oral D3 ID026 ID028 ID002 ID035	Oral E3 IE023 IE025 IE027 IE035	
10:20~10:30	Coffee Break					
10:30~11:30	Oral A4 IA061 IA064 IA074 IA079	Oral B4 IB050 IB052 IB053 -	Oral C4 IC069 IC071 IC072 IC073	Oral D4 ID038 ID044 ID046 ID059	Oral E4 IE036 IE038 IE039 IE040	
11:30~12:50	Lunch L [百合廳]					
12:30~13:40	IEDMS 海報評分-研究組、大學專題組 L [玫瑰廳]					
13:40~14:30	企業技術講座 II TSMC Technical & Career Talk 吳振銘 副廠長 / TSMC 台灣積體電路製造股份有限公司 L [百合廳]					
14:30~14:40	Break					
14:40~15:20	企業技術講座 III Micron Is at the Heart of AI 鍾聯彬 前段製造營運副總裁 / Micron 美光科技公司 L [百合廳]					
15:20~15:40	IEDMS & SNDCT 頒獎暨閉幕典禮/ Lucky Draw L [百合廳]					
15:50~16:10	領閉幕餐盒/接駁車					