

2022年國際顯示製程前瞻技術研討會 口頭發表索引
The International Display Manufacturing Conference (IDMC 2022) Oral Agenda

#	發表編號 Presentation No.	投稿編號 Abstract No.	發表日期 Date	發表場次 Session	發表地點 Place	發表者姓名 Presenter Name	論文標題 Presentation Title
1	Thu- S01-05	E3-002	Apr.28 (Thu.)	Session 1- Active Matrix Devices & Display Electronics	504A	Chih-Han Tseng	Flexible Differential Amplifier Circuits Comprising Indium Gallium Zinc Oxide Thin-Film Transistors
2	Thu- S02-03	O7-004	Apr.28 (Thu.)	Session 2- Transparent, Flexible Printed Display and E-paper	504B	Zhiguang Qiu	Stretchable, Washable, and Rewritable Electrochromic e-Paper with Self-Cracking Electrodes
3	Thu- S02-04	O7-003	Apr.28 (Thu.)	Session 2- Transparent, Flexible Printed Display and E-paper	504B	Cheng-Yi Chen	Solution-coated Gas Barrier Technology Introduction and Application
4	Thu- S03-03	E3-001	Apr.28 (Thu.)	Session 3- Devices and Manufacturing	504A	Hong-Ru Chen	Low-Temperature-Processed Complementary Inverters Comprising Metal-Oxide-Based Thin-Film Transistors
5	Thu- S03-04	O3-005	Apr.28 (Thu.)	Session 3- Devices and Manufacturing	504A	Wan-Ta Fan	Numerical Study of Ideal Subthreshold Characteristics of Amorphous In-W-O Nanosheet Thin-Film Transistor
6	Thu- S03-05	O3-004	Apr.28 (Thu.)	Session 3- Devices and Manufacturing	504A	Chun-Wei Chang	HfZrO2 Ferroelectric Thin-Film Transistors Based on InGaZnO Channels for Memory Applications
7	Thu- S04-03	O7-005	Apr.28 (Thu.)	Session 4- Transparent, Flexible Printed Display and E-paper	504B	Ting Wang	Synchronously Micropatterning and Nanowelding Silver Nanowires by UV-programable Surface Atom Diffusion for High-performance Transparent Electrodes
8	Thu- S04-04	O7-006	Apr.28 (Thu.)	Session 4- Transparent, Flexible Printed Display and E-paper	504B	Zheng Zeng	Simulation of Edge Ghosting for Electrochromic E-Paper Displays Based on Particle Dynamics
9	Thu- S05-03	P8-005	Apr.28 (Thu.)	Session 5- Interactive Display and System	504A	Yu-Han Chen	Research of High Responsivity Amorphous Indium Zinc Oxide Photo Sensor
10	Thu- S05-04	O1-002	Apr.28 (Thu.)	Session 5- Interactive Display and System	504A	Yi-Cheng Yuan	A Novel Low Leakage Current Photodiode Reset Method for Active Pixel Sensing Array
11	Thu- S05-05	P1-007	Apr.28 (Thu.)	Session 5- Interactive Display and System	504A	Yi-Hsiang Lo	Image Processing for the Differential Optical Fingerprint Signals
12	Thu- S06-03	E9-002	Apr.28 (Thu.)	Session 6- Measurement, Standard, and Human Factor	504B	Chia-Yu Lee	A Method for Reducing Metameric Color Mismatch in Camera-based Display Measurement
13	Thu- S06-04	E9-003	Apr.28 (Thu.)	Session 6- Measurement, Standard, and Human Factor	504B	Yu-Ting Tsai	Investigation of Contact Resistance and Transport Mechanism in P-type SnO Thin-Film Transistor
14	Thu- S06-05	E9-001	Apr.28 (Thu.)	Session 6- Measurement, Standard, and Human Factor	504B	Chia-Yu Shen	Measuring Motion-to-photon Latency for Head-mounted Displays
15	Fri- S07-03	E4-003	Apr.29 (Fri.)	Session 7- 3D Display and AR/VR Technology	504A	Hsuan-Yu Chu Ko	True-color Holographic Recording Using Photopolymer Materials
16	Fri- S07-04	O4-002	Apr.29 (Fri.)	Session 7- 3D Display and AR/VR Technology	504A	Wenchao Yang	Resolution-tripled Light Field Displays by Recombining Subpixels with Zero Sampling Error
17	Fri- S07-05	E4-004	Apr.29 (Fri.)	Session 7- 3D Display and AR/VR Technology	504A	Wen-Kai Lin	The Study of Lightguide Combiner for Augmented Reality Devices Based on Volume Holographic Optical Elements
18	Fri- S08-02	E5-003	Apr.29 (Fri.)	Session 8- Quantum Dot Materials and Light-Emitting Devices I	504B	Yu-Ming Huang	High-efficiency Full Color Nanoporous Structure QD Based Micro-LED Display
19	Fri- S08-03	E5-009	Apr.29 (Fri.)	Session 8- Quantum Dot Materials and Light-Emitting Devices I	504B	Chen-Te Lin	Fabricated High Resolution QD Color Conversion Layer via Super-fine Inkjet Printing for Microdisplay Application
20	Fri- S08-04	E5-008	Apr.29 (Fri.)	Session 8- Quantum Dot Materials and Light-Emitting Devices I	504B	Cheng-Yang Chen	Synthesis of Highly Bright, Narrow Emissivity InP Quantum Dots
21	Fri- S08-05	E5-006	Apr.29 (Fri.)	Session 8- Quantum Dot Materials and Light-Emitting Devices I	504B	Yuan Chen	Extensive Emission Tuning of Highly Efficient CuInSe2 Quantum Dots by Doping Engineering
22	Fri- S09-03	E6-001	Apr.29 (Fri.)	Session 9- mini-LED, u-LED and high-dynamic-range displays	504A	Han-Yu Tsai	The Color Conversion Layer with High Quantum Yield for Micro-LED Displays
23	Fri- S09-04	E6-003	Apr.29 (Fri.)	Session 9- mini-LED, u-LED and high-dynamic-range displays	504A	Shih-Min Chen	Numerical Analysis for V-shape Defect and Random Alloy Fluctuation in Red Green and Blue Nitride Based LEDs
24	Fri- S10-01	E5-002	Apr.29 (Fri.)	Session 10- Quantum Dot Materials and Light-Emitting Devices II	504B	Yu-Ming Jao	The Optical and Thermal Properties of Quantum-Dot-Film on Glass Substrates for LED Applications
25	Fri- S10-02	E5-010	Apr.29 (Fri.)	Session 10- Quantum Dot Materials and Light-Emitting Devices II	504B	Nien-Ju Lee	MMES Ligand Exchange of CdSe QDs via Co-solvent Method
26	Fri- S10-03	O5-001	Apr.29 (Fri.)	Session 10- Quantum Dot Materials and Light-Emitting Devices II	504B	Shuan Yang	Transparent Electroluminescent QLEDs with High-Brightness Double-side-emission Fabricated in Atmosphere
27	Fri- S10-04	E5-001	Apr.29 (Fri.)	Session 10- Quantum Dot Materials and Light-Emitting Devices II	504B	Ching Chang	Diamond Powder Package with Colloidal Quantum Dot LEDs
28	Fri- S10-05	E5-005	Apr.29 (Fri.)	Session 10- Quantum Dot Materials and Light-Emitting Devices II	504B	Jie-Syuan Lu	High Brightness and Low Turn-on Voltage Quantum Dot Light-Emitting Diode Via Hybrid Hole Transport Layer
29	Fri- S11-03	E11-001	Apr.29 (Fri.)	Session 11- LC Technology I	504A	Chin-An Lin	Novel 2-Domain Polymer Sustained Alignment LCD with Ultra Wide Viewing Angles
30	Fri- S11-04	E11-006	Apr.29 (Fri.)	Session 11- LC Technology I	504A	Chien-Yi Lin	Multi-stable Active and Passive Hybrid Control Smart Window
31	Fri- S11-05	E11-002	Apr.29 (Fri.)	Session 11- LC Technology I	504A	Pei-Ru Chen	Electric-Controllable Achromatic Polarization Rotator
32	Fri- S12-02	E5-004	Apr.29 (Fri.)	Session 12- Organic, Perovskite Devices and Materials	504B	Po-Jui Chen	High External Quantum Efficiency over 80% In Organic Light Emitting Diodes with High-Index Substrates and High Dipole Ratio Emitters
33	Fri- S12-03	O5-002	Apr.29 (Fri.)	Session 12- Organic, Perovskite Devices and Materials	504B	Johan Iskandar	Modification of Polyelectrolyte-based Transport Layer on the Luminescence of NIR Perovskite Light-emitting Diodes
34	Fri- S12-04	E5-007	Apr.29 (Fri.)	Session 12- Organic, Perovskite Devices and Materials	504B	Hsiao-Chun Hung	A Complete Exciton Diffusion Model Including Both Singlet and Triplet Behaviors Coupling with Poisson and Drift-Diffusion Solver
35	Fri- S12-05	O5-005	Apr.29 (Fri.)	Session 12- Organic, Perovskite Devices and Materials	504B	Nurul Ridho Al Amin	Impedance Characterization Comparison between Single Host and Exciplex-Forming Co-host System of High-Performance Yellow Phosphorescence OLEDs
36	Fri- S13-02	E11-005	Apr.29 (Fri.)	Session 13- LC Technology II	504A	Chun-Chuan Wang	Using a Broadband Cholesteric Liquid Crystal Reflector to Achieve a Projector-based Transparent Display
37	Fri- S13-03	O11-001	Apr.29 (Fri.)	Session 13- LC Technology II	504A	Mareena Antony	Liquid Crystal Lens Fabricated with Improved Alignment Layer of TiO2 and Polyimide Composite
38	Fri- S13-04	E11-003	Apr.29 (Fri.)	Session 13- LC Technology II	504A	Minh Chau Nguyen Hong	Photo-aligned Liquid Crystal Cell for Writing Geometrical Phase Holographic Optical Elements
39	Fri- S13-05	E11-004	Apr.29 (Fri.)	Session 13- LC Technology II	504A	Yi-Jyun Ke	Pattern Complex Image to Liquid Crystal Sample by Digital Micro-mirror Device
40	Fri- S14-04	O10-001	Apr.29 (Fri.)	Session 14- Automotive, IoT, Medical, Digital Signage and Novel Applications	504B	Pin-Hsiang Chiu	Glass Based Capacitive Micromachined Ultrasonic Transducers (cMUTs) for Medical Applications
41	Fri- S14-05	O5-003	Apr.29 (Fri.)	Session 14- Automotive, IoT, Medical, Digital Signage and Novel Applications	504B	Konthoujam James Singh	High-Bandwidth Flexible White Light System for Visible Light Communication