

Session Title:	P2. Poster Session 2
Session Date:	August 21 (Thu.), 2025
Session Time:	14:00-15:30
Session Room:	2A Hall

[P2-001]

Fully-Printed Free-Form Flexible Thermoelectric Sensors for Wearable Electronics

Sooyeon Moon (Seoul Nat'l Univ. & Korea Univ., Korea), Sungju Ju, Joo-Won Lee (KIST, Korea), Sohee Jeong, and Seungjun Chung (Korea Univ., Korea)

[P2-002]

Flexible IGZO TFT Arrays Using Laser Lift-Off (LLO) Process and Their Active-Matrix Display Application

Junhyeok Byeon, Yonghun Kim, and Jongwon Yoon (KIMS, Korea)

[P2-003]

Highly Conductive Stretchable Conductors with Minimized Conductive Fillers Contents by Self-Localization of Ag Flakes

Hui Seon Jang, Hoon Yeob Jeong, and Seungjun Chung (Korea Univ., Korea)

[P2-004]

Meta-Elastomer with Gradient Depth Modulus for Multiaxial Strain Programming in Reliable Stretchable Displays

Dong Hyoun Park, Dong Won Lee, Jun-Chan Choi, and Seungjun Chung (Korea Univ., Korea)

[P2-005]

3D-Printed Elastic Interconnects for Highly Integrated Wearable Displays

Young Yun Kim, Hoon Yeub Jeong, and Seungjun Chung (Korea Univ., Korea)

[P2-006]

Enhanced Doping Efficiency Strategy in vdW Heterostructures for Ultra-Thin Flexible 2D Thin-Film Transistors

Jiwoo Yang (Korea Univ. & Seoul Nat'l Univ., Korea), Yongtaek Hong (Seoul Nat'l Univ., Korea), and Seungjun Chung (Korea Univ., Korea)

[P2-007]

Transparent and Intrinsically Stretchable Quantum Dot Light Emitting Diode

Son Woo Jung, Dae Won Yoon, and Dae-Hyeong Kim (IBS & Seoul Nat'l Univ., Korea)

[P2-008]

A Self-Healing Polymer-Enabled Piezo-Triboelectric Sensor Using PDMS/BaTiO₃ Integrated with α -ITZO TFT

Jeongyoon Kim, Byeong-U Bak, Thi Huyen Nguyen, and Jaekyun Kim (Hanyang Univ., Korea)

[P2-009]

Cylindrical Fiber-Based OLEDs with High Horizontal Dipole Orientation Emitters for High-Efficiency Wearable Displays

Dae Hyun Kim, Seong Uk Kong, Eun Hae Cho (KAIST, Korea), Gyeong Seok Lee, Yun-Hi Kim (Gyeongsang Nat'l Univ., Korea), and Kyung Cheol Choi (KAIST, Korea)

[P2-010]

A Study on Hybrid Sheets with Thermal Dissipation and EMI Shielding for Foldable Displays Using PDMS/Nanofiller Composites and Graphite Foil

Hyeon-Do Choi and Kwan-Young Han (Dankook Univ., Korea)

[P2-011]

Distortion-Free, Fabric-Based Stretchable and Wearable White OLED Pixel

Kyeongsik Ko, Ye Ji Shin, Young Woo Kim, Youjin cho, Sang Jik Kwon, Eou-Sik cho (Gachon Univ., Korea), and Yongmin Jeon (Kyung Hee Univ., Korea)

[P2-012]

Stretchable Phototherapy Patch with Integrated Lambertian Reflection-Based Diffusion Structure for Uniform Illumination

Duhyoung Gong, Miri Heo (Dong-A Univ., Korea), Haechang Lee (KIST, Korea), Sunhyoung Koo (KAIST, Korea), Sungyun Kim (Dong-A Univ., Korea), Bongjun Kim (Sookmyung Women's Univ., Korea), Seunghyup Yoo (KAIST, Korea), and Hanul Moon (Dong-A Univ., Korea)

[P2-013]

Enhancing Wettability of Liquid Metal via Multi-Layered Polyelectrolyte Interfaces

Eunjin Jo, Duhyoung Gong, and Hanul Moon (Dong-A Univ., Korea)

[P2-014]

Defect Analysis of Rollable Displays Using Finite Element Methods

Sang Hyun Han, Hak Jun Yang, and Su Seok Choi (POSTECH, Korea)

[P2-016]

Advanced Material Design Approaches for Free-Form Displays Using Colloidal Quantum Dots

Kiwook Kim (DGIST, Korea), Dong Ryong Kim (UNIST, Korea), Kyunghoon Lee (DGIST, Korea), Jisu Yoo (UNIST, Korea), Dong Chan Kim (Gachon Univ., Korea), Moon Kee Choi (UNIST, Korea), and Jiwoong Yang (DGIST, Korea)

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Multifunctional Flexible Display with Acoustic Emission Enabled by Ferroelectric Polymer Actuators

Jun Hyuk Shin, Ji Yoon Park, and Su Seok Choi (POSTECH, Korea)

[P2-018]

Heat and Moisture Deformation Analysis of Flexible Display

Jigeun Nam, Seunghee Lee, and Hyosung Lee (LG Display Co., Ltd., Korea)

[P2-019]

High Performance Stretchable Silver Electrodes with Double-Layer Structure for Mini LED Application

Ayeong Jo, Jinyeong Lee, and Jaewook Jeong (Chungbuk Nat'l Univ., Korea)

[P2-020]

A Distributed Network System for Real-Time AI Pupil Tracking

Muhsin Alper Asar (KIST & Univ. of Science and Tech., Korea), Ki Hyuk Yoon (KIST, Korea), and Sung Kyu Kim (KIST & Univ. of Science and Tech., Korea)

[P2-021]

High-Resolution Hogel Image Parallel Processing Method

Hyunmin Kang and Sungsoo Woo (GERI, Korea)

[P2-022]

3D Reconstruction of Cultural Heritage Using Inpainting Techniques

Hyunmin Kang and Sungsoo Woo (GERI, Korea)

[P2-023]

Object Light Conversion Algorithm for Various Display Devices of Electro-Holography using Backpropagation Calculation

Asuka Umenai, Akifumi Kashiwagi, Seok Kang, and Yuji Sakamoto (Hokkaido Univ., Japan)

[P2-024]

Implementation of Holographic Video Game in High-Speed Generation System with Physical Simulation and GPU Cluster

Taketo MIYAHARA, Yuji SAKAMOTO, and Seok KANG (Hokkaido Univ., Japan)

[P2-025]

Enlargement of Reconstructed Image and Full-Colorization in Holographic Display with Wide Viewing-Zone

Taisei Ogawa, Seok Kang, Takashi Hikage, Manabu Yamamoto, and Yuji Sakamoto (Hokkaido Univ., Japan)

[P2-026]

Inverse Design of Achromatic Metasurface Coupler by Adjoint Optimization

Seungho Choi, Taeho Seo, Jonghyun Ka, and Wooksung Kim (POSTECH, Korea)

[P2-027]

A Full-Color 3D Holography Using μ -Display for Extended Reality Applications

Brian Chao (Stanford Univ., USA), Jiwon Jung (Stanford Univ., USA & Samsung Display Co., Ltd., Korea), Gun-Yeal Lee, Suyeon Choi, Manu Gopakumar, and Gordon Wetzstein (Stanford Univ., USA)

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Volumetric Display Using Clouds Formed by Femtosecond Laser-Induced Condensation

Kota Kumagai, Keisuke Numazawa, and Yoshio Hayasaki (Utsunomiya Univ., Japan)

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Light Field-Based Cultural Heritage Restoration and Visualization

Choi Jae Gwan (GERI, Korea)

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Image Production for Volumetric Displays Using 3D Gaussian Splatting

Togo Endo, Kota Kumagai, and Yoshio Hayasaki (Utsunomiya Univ., Japan)

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3D Instant Photography with Integral Photography

Hyo-Jun Kwon, Seong-jun Jo, and Hong-Seok Lee (Pukyung Nat'l Univ., Korea)

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Stable Fabrication Technique for One-Layer Color Holographic Optical Elements

Reo Murafuji, Sho Uegaki (Tokyo Univ. of Agriculture and Tech., Japan), Yoshiharu Momonoi (Samsung R&D Inst. Japan, Japan), and Yasuhiro Takaki (Tokyo Univ. of Agriculture and Tech., Japan)

[P2-033]

Ultra-Thin Laser Backlight for Holographic Contact Lens Display

Fuma Hirata, Yuto Hayashi, and Yasuhiro Takaki (Tokyo Univ. of Agriculture and Tech., Japan)

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Light Field Selective Masking for Occlusion Capable See-through Augmented Reality

Seongju Lee, Minwoo Jung, Hyeonbin Im, and Joonku Hahn (Kyungpook Nat'l Univ., Korea)

[P2-035]

Generating Holographic Stereogram for Motional Image by Changing Illumination Angle

Sanghyuk Park, Seonuk Yang, Hyeonbin Im, and Joonku Hahn (Kyungpook Nat'l Univ., Korea)

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A Method for Enhancing the Depth Perception of Light-Field-Based 3D Displays

Choi Jae Gwan (GERI, Korea)

[P2-037]

Optical Uniformity Improvement of Diffractive Waveguide Display based on Gradient Descent Method

Sehwan Na, Shin-Woong Park, and Hwi Kim (Korea Univ., Korea)

[P2-038]

Design of Nano-Structured Meta-Surfaces for Color Beam Steering in Augmented Reality Glasses

Hong Bi Joo and Hyoung Won Baac (Sungkyunkwan Univ., Korea)

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Hybrid 3D-Integrated CuI RRAM and Si/SWNT Complementary Circuits for Energy-Efficient Memory-Logic Interfaces in AR/VR Applications.

Hanmin Kim, Seoyoung Jo, Yunsung Lee, Bokyung Kim (Incheon Nat'l Univ., Korea), and Sung Hun Jin (Kyung Hee Univ., Korea)

[P2-040]

Influence on Multiple Arc 3D Images by Use of Retro-Reflector Behind Arc 3D Substrate Illuminated by Multiple Lights

China Terauchi, Kensuke Tamano, Shiro Suyama, and Hirotsugu Yamamoto (Utsunomiya Univ., Japan)

[P2-041]

Both-Sided Aquatic Display Using Two Aerial Imaging by Retro-Reflection

Aoba Makishima, Ryosuke Ichikawa, Kazuaki Takiyama, Takehide Ikeda, Shiro Suyama, and Hirotsugu Yamamoto (Utsunomiya Univ., Japan)

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Suppression of Double Images in AIRR by Use of With Motheye Film on Thick Beam-Splitter and Its Impact on Aerial Image Brightness

Akito Fukuda, Ryota Yamada, Shiro Suyama, and Hirotugu Yamamoto (Utsunomiya Univ., Japan)

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Off-Axis Varifocal AR-NED Using Focus Tunable Lens for Visual Comfort

Do-Hun Baek, Seong-Hyeon Cho, Woo June Choi, and Young-Wan Choi (Chung-Ang Univ., Korea)

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Field-of-View Steerable Waveguide-Type Near-Eye Display for Augmented Reality

Gyu-Chan Han, Myeong-Ho Choi (Seoul Nat'l Univ., Korea), Kanghee Won (Kyung Hee Univ., Korea), and Jae-Hyeung Park (Seoul Nat'l Univ., Korea)

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Eye-Box Expansion in Holographic Near-Eye Display Using a Voltage Controlled Liquid Crystal Beam Deflector

Erdenebayar Bayarsaikhan, Erkhembatar Dashdavaa, Munkh-Uchral Erdenebat, Jin-Hyeok Seo, Min-Seok Kim (Kyungpook Nat'l Univ., Korea), Jun Do, Kanghee Won (Kyung Hee Univ., Korea), and Hak-Rin Kim (Kyungpook Nat'l Univ., Korea)

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Depth Measurement Technique Using Multi-Wavelength Digital Holography and Accuracy Analysis Due to Phase Fluctuation

Kang Pilsung (GERI, Korea)

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High-Resolution Micro-OLED Fabrication with Plane Source Evaporation

Young Jun Lee, Byung Doo Chin (Dankook Univ., Korea), and Changhun Hwang (OLEDON, Korea)

[P2-048]

Distortion Correction Method for Digital Face Painting Using Flat Aerial Images on Curved Facial Surface

Yuka Sato, Ryota Yamada, Shiro Suyama, and Hirotsugu Yamamoto (Utsunomiya Univ., Japan)

[P2-049]

Design of Transmission System for CGH Video on Beyond 5G Networks

Kazuhiro Yamaguchi (Suwa Univ. of Science, Japan)

[P2-050]

Mirage II: Floating Real Image Display Using Hemispherical Reflection Screen Made of Gelatin Film Which Enables to Make Images Invisible from Back Side

Kunio Sakamoto and Yuuki Tsuwa (Konan Univ., Japan)

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Data-Driven Hardness Optimization of AlSiN SiO₂ Films Using Regression Models and Weighted-PCA

Kyongtae Park and JongSuk Joo (Samsung Display Co., Ltd., Korea)

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Evaluating Printability of Weakly Viscoelastic Ink Using Deborah Number

Jules Mathieu Richardot, Seongju Kim, and Sungjune Jung (POSTECH, Korea)

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A Machine Learning-Based Approach to Adaptive Control Chart

Junhyuk Choi (Samsung Display Co., Ltd., Korea)

[P2-055]

Amorphous-InGaZnO Electron Transport Properties Depending on Hot Implantation Temperature

Yuya Yamane, Keisuke Yasuta, Toshimasa Ui, Koichi Orihira, Shojiro Dohi, and Junichi Tatemichi (Nissin Ion Equipment Co., Ltd., Japan)

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Intelligent Design Method for Nano-Devices Using Artificial Neural Networks: Optical Properties

Jun Hee Han and Kyu-Sung Lee (ETRI, Korea)

[P2-057]

Enhanced Dielectric Properties of SiO₂ Thin Film by NO Plasma Treatment

Yunhui Jang, Yeojin Jeong, Suji Choi, Ire Oh, and Junsin Yi (Sungkyunkwan Univ., Korea)

[P2-058]

Motion Control Method for Line-Arc-Line Dispensing

Juhwa Lee and Minjae Lee (Samsung Display Co., Ltd., Korea)

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Role of Bonding in Amorphous-InGaZnO Resistance Control Techniques by Ion Implantation

Keisuke Yasuta, Yuya Yamane, Toshimasa Ui, Koichi Orihira, Shojiro Dohi, and Junichi Tatemichi (Nissin Ion Equipment Co., Ltd., Japan)

[P2-060]

Quantification Method for Flicker of a Moving Object in Local Dimming Displays

Hyungsuk Hwang, Hyosun Kim, Dongyeol Yeom, Yongwoo Yi, and JaeJoong Kwon (Samsung Display Co., Ltd., Korea)

[P2-061]

Swin Transformer Unet-Based Holography Artifact Reduction for Display Inspection Using Wave-Optics Simulator

Sanghoon Cho, Hyunsuk Kim (Samsung Display Co., Ltd., Korea), Saeid Kheiryzadehkhaghah (Jeonbuk Nat'l Univ., Korea), Seajin Kim, Yeongchang Lee (Samsung Display Co., Ltd., Korea), Gukhyeon Hwang, Daesuk Kim (Jeonbuk Nat'l Univ., Korea), ChoongHoon Roh, and Sangrak Son (Samsung Display Co., Ltd., Korea)

[P2-062]

Enhancing α -IGZO TFT Thermal Reliability through Hydrogen Diffusion Control Using Isotopic Engineering

Seungwoo Chu, Jihun Kang, and Junsin Yi (Sungkyunkwan Univ., Korea)

[P2-063]

Virtual Image Generation for Glass-less Critical Dimension Measurement Recipe Setup

Minkyu Yeo, Hyungkeun Park, Juri Nam, Byungsu Oh, Hyunjoon Kim, and Cris Seungin Baek (Samsung Display Co., Ltd., Korea)

[P2-064]

Denting Simulation of Surface Waviness for Polarizer-Free Display

Daeho Kim and Kyoung Ho Park (Samsung Display Co., Ltd., Korea)

[P2-065]

Enhanced Silicon Oxide Thin Films Using Plasma-Enhanced Atomic Layer Deposition for High Performance Oxide Thin-Film Transistor

Heeyong Lee, Kyungju Min, Saehong Kim, Woojin Kim, Junggon Kim, Choelmin Jang, Youjong Lee, and Myungsoo Huh (Samsung Display Co., Ltd., Korea)

[P2-066]

High-Resolution, Low-Cost LCD 3D Printing for Rapid Prototyping of Micro Patterned Transparent Conducting Materials

Nguyen-Hung Tran and Ji-Hoon Lee (Jeonbuk Nat'l Univ., Korea)

[P2-067]

Semiconductor Type Modulation of SnO_x for Fabricating n-Type and p-Type TFTs

Minhyeong Son, Zhong Pan, Ire Oh, Muhammad Quddamah Khokhar, and Junsin Yi (Sungkyunkwan Univ., Korea)

[P2-068]

Development of a Real-Time Digital Macro Image Generation and Inspection System based on Inkjet Printing Process AOI

Hyunduck Kim, Kyunggil Baek, Jeongmin Oh, and Donggon Yoo (Samsung Display Co., Ltd., Korea)

[P2-069]

Modeling Photolithography Process Control and Sampling Optimization Using Offline Reinforcement Learning

Eungjin Kim (Samsung Display Co., Ltd., Korea), Kaushik Balakrishnan, Kasra Yazdani (Samsung Electronics Co., Ltd., USA), and Jaewon Kim (Samsung Display Co., Ltd., Korea)

[P2-070]

Development of a New Carbon Black Inkjet Printing Method for Large-Scale and Thin Glass Substrate

Lae Ho Kim, Ho Seung Jung, Jeong Hun Kim, Sung Min Park, Jaihyuk Choi, and Myung Soo Huh (Samsung Display Co., Ltd., Korea)

[P2-071]

Fabrication of Full-Swing Oxide NMOS Inverter Using Ultra Low Thermal Budget Flash Lamp Annealing

Yun Hyeok Jeong, Won Woo Lee, Dong Hyun Lee, Joo Hyun Jeong, Sung Jin Park, Ko Eun Ham, Seung Min Lee, Hyuk Ju Ahn, Sang Jik Kwon, Min Kyu Park, and Eou-Sik Cho (Gachon Univ., Korea)

[P2-072]

Advanced IGZO TFTs: Electrical Characteristics Enhanced by Metal Capping and Xenon Flash Lamp Treatment

Sung Jin Park, Won woo Lee, Yun Hyeok Jeong , Joo Hyun Jeong, Ko Eun Ham, Seung Min Lee, Geon Woo Choi, Sang Jik Kwon, and Eou-Sik Cho (Gachon Univ., Korea)

[P2-073]

Study on the Growth and Electrical Properties of High-K ZrO_x Thin Films via ALD

Saehong Kim, Kyungju Min, Woojin Kim, Heeyong Lee, Junggon Kim, Choelmin Jang, Youjong Lee, and Myungsoo Huh (Samsung Display Co., Ltd., Korea)

[P2-074]

Effect of Driving Waveform on Velocity and Volume of Low-Viscosity Ink Droplets

Yu Konta, Wonjoon Choi, Yeongjun Kim, Cheongwan Min, JeongHo Yi, and Myung Soo Huh (Samsung Display Co., Ltd., Korea)

[P2-075]

Plasma Formation and Process Optimization in Laser-Material Interaction for Display Manufacturing

Mingyu Jeon, Meenkyo Seo, Seyeon Hwang, Kisang Lee, Juil Hwang, Hyungsik Kim, Myung Soo Huh, and Cheol Lae Roh (Samsung Display Co., Ltd., Korea)

[P2-076]

Sub-Micro Defect Inspection Method for Backplane Glass Using Dark Field Lighting in 2D AOI System

Sekwang Han, Hyeongmin Ahn, Joongeol Kim, Hun So, and Donggon Yoo (Samsung Display Co., Ltd., Korea)

[P2-077]

Selective Annealing-Based Electrical Characteristics Changes in NMOS Inverter Logic Circuit Fabrication: DUV fs Laser Annealing

Joo Hyun Jeong, Won Woo Lee, Yun hyeok Jeong, Sung Jin Park, Ko Eun Ham, Gang Guk Park, Jung Eun Joo, Sang Jik Kwon, and Eou-Sik Cho (Gachon Univ., Korea)

[P2-078]

Green PECVD Process for High-Quality SiO₂ Films Using NO Gas as a Precursor

Jihun Kang, Seungmin Lee, Yunhui Jang, Yeojin Jeong, Duy Phong Pham, and Junsin Yi (Sungkyunkwan Univ., Korea)

[P2-079]

Analyzing Parasitic Excitons via Operando Electrically Pumped Spectroscopy in Blue Phosphorescent Organic Light-Emitting Diodes

Chang Min Lee, Hyun Jae Lee, Insung Ha, Mengdu Fu (Dongguk Univ., Korea), Chul Hoon Kim (Korea Univ., Korea), and Seung Yoon Ryu (Dongguk Univ., Korea)

[P2-080]

Numerical Simulation of the Laser Cutting Process for Polyimide Films in Flexible Display Applications

Yoonsuk Kim, Yoon Yeol Lee, ByungHoon Kim, Hyun Sung Park, Jangwoo Kim, and Seung-in Baek (Samsung Display Co., Ltd., Korea)

[P2-081]

Non-Destructive Auto Metrology Solution for Display Edge Shape Using 3D Confocal Sensor

Yonghee Park, Youngil Jung, Jaewoo Jung, and Donggon Yoo (Samsung Display Co., Ltd., Korea)

[P2-082]

Comparison of ZnON TFT Characteristics with Various Organic Passivations and Their Enhanced Lifespans

Ko Eun Ham, Won Woo Lee, Yun hyeok Jeong, Joo Hyun Jeong, Sung Jin Park, Dong hyeon Kim, Yeo jin Kim, Young Woo Kim, Ye Ji Shin, Kyung Sik Go (Gachon Univ., Korea), Yongmin Jeon (Kyung Hee Univ., Korea), Sang Jik Kwon (Gachon Univ., Korea), and Eou Sik Cho (Gachon Univ., Korea)

[P2-083]

Nitrogen Doping of SiO₂ by N₂O Plasma for Stability and Reliability Enhancement in IGZO Thin Film Transistors

Seong-A Shin, Tae-Heon Kim, and Jin-Seong Park (Hanyang Univ., Korea)

[P2-084]

Fabrication of Protective Film on the Surface of Hybrid OLED Panel with Inkjet Printing

Chan Young Park, Dongil Park, Yuseon Jeong, Heungjun Park, Insik Lim, and Jonghoon Kim (HB Solution Co., Ltd., Korea)

[P2-085]

Method for Evaluating the Differences between Static and Moving Image

Hyunah Suh, Dongyeol Yeom, Hyosun Kim, Yongwoo Yi, Jaejoong Kwon, and Jiyoung Park (Samsung Display Co., Ltd., Korea)

[P2-086]

Enhanced Hole Drilling Efficiency by Laser Burst Mode Operation

Gyohyeon Hwang, Bohyeon Hwang, Kyunghan Yoo, Woohyun Jung, Seyeon Hwang, Meenkyo Seo, Seongjin Yeon, Hyungsik Kim, Myungsoo Huh, and Cheollae Roh (Samsung Display Co., Ltd., Korea)

[P2-087]

Development of Inkjet Printer for High Resolution QD-OLED Display

Cheongwan Min, Yu Konta, Hyunkyu Ahn, Hyeonseon Jeong, Tomoeda Satoshi, and Myungsoo Huh (Samsung Display Co., Ltd., Korea)

[P2-088]

The Method for Evaluating Multi-axial Strain Elongation of Stretchable Display

Aree Song, Ha young Lee, Dong yeol Yeom, Yong woo Yi, Ji won Lee, Jin woo Choi, and Jae joong Kwon (Samsung Display Co., Ltd., Korea)

[P2-089]

Flip-Molding Method for Frameless Display based on Mono-Substrate

Donghyun Lee, Yeonwoong Kang, Minsang Koo, Junyoung Lee, Jaehak Lee, and Sijoon Song (Samsung Display Co., Ltd., Korea)

[P2-090]

Low-Temperature, Low-Pressure Anisotropic Conductive Film with Low-Melting-Point Metal Alloy for Next-Generation Displays

Yejin Ahn, Simok Lee (KAIST, Korea), Donghyun Lee, Sijoon Song, Yudeok Seo (Samsung Display Co., Ltd., Korea), and Jae-Woong Jeong (KAIST, Korea)

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355 nm Fiber Laser Treatment on Amorphous In-Ga-O Thin Film Transistor

Ji-Won Park, Ja-Hyeok Cho, and Myung-Gil Kim (Sungkyunkwan Univ., Korea)

[P2-092]

Effect of Gate-Defined Channel Length on Vertical Structure TFTs

Sang Hun Hwang, Byung Seol Hwang, Sang Ho Hwang (Hoseo Univ., Korea), Seung Jae Moon (UNIST, Korea), and Byung Seong Bae (Hoseo Univ., Korea)

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OLED Luminance Compensation Method according to Temperature

Yonggu Kim (Samsung Display Co., Ltd., Korea)

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New Colorimeter for Precise Position of Under Display Camera

Hyun Ho Lee, Jin Oh Han, Ki Beom Na, Woo Hee Kim, Seok Min Woo, Sung Hyuk Yoon, Hee Soo Moon, Chang Hun Lim, Kyu Seok Kim, and Kyu Ho Lee (ANI Co., Ltd., Korea)

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Reduction of Internal Reflection in Rigid Top-Emission OLED Panels for Film Color Filter Applications

Horyun Chung, Eunjae Na, Sejoong Shin, Sehyung Cho, Myunghwan Kim, and Sungguk An (Samsung Display Co., Ltd., Korea)

[P2-096]

Enhancement of Interfacial Metal Oxide Layer for Vertical TFTs

Byung Seol Hwang, Sang Hun Hwang, Sang Ho Hwang (Hoseo Univ., Korea), Seung Jae Moon (UNIST), and Byung Seong Bae (Hoseo Univ., Korea)

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A Study on Uniform Adhesion Method of Curved Display

Taeyoung Park, Byungmoo Kim, Myunghun Oh, Jaeheung Cho, and Dongho Park (Samsung Display Co., Ltd., Korea)

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A Study on the Image Synthesis Methods according to the Lens Iris Size

Jaseong Koo (Samsung Display Co., Ltd., Korea)

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Accident Prevention through Pre-Inspection of Production Standards System

Seunghee Lee, HyeSeon Jeong, Jongwon Lee, Himchan Jeong, BeomJun Lee, ByoungHo Lee, Hojin Kim, and Mingyu Kang (Samsung Display Co., Ltd., Korea)

[P2-100]

Optimization of Atomic Layer Deposition-Based Low-Temperature $\text{Al}_2\text{O}_3/\text{TiO}_2$ Nanolaminates Using Tensile Testing on Water

Hyeoncheol Bang and Jeong Hyun Kwon (Chungbuk Nat'l Univ., Korea)

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Environmental Stability of Atomic Layer Deposition-Based $\text{Al}_2\text{O}_3/\text{SiO}_2$ Nanolaminate Films under Harsh Conditions

Myeongheon Lee and Jeong Hyun Kwon (Chungbuk Nat'l Univ., Korea)

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Environmental Stability of Functional Polymer Based Multibarrier Encapsulation for Wearable Displays

Hyeonjun Lee and Jeong Hyun Kwon (Chungbuk Nat'l Univ., Korea)

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Mechanical Behavior Analysis of Various Organic/Inorganic Multilayer Structures Using Tensile Testing on Water

Hyun Yang and Jeong Hyun Kwon (Chungbuk Nat'l Univ., Korea)

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Biocompatible Encapsulation Barrier Using Parylene-C for Bio-Organic Light-Emitting Diode Patch

Saewoong Jeon and Jeong Hyun Kwon (Chungbuk Nat'l Univ., Korea)

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Low Voltage IGZO TFT Developed Using Ta Interfacial Oxidation

Seung Jun Choi, Jung Hyon Jeon, Jung Soo Kim (Hoseo Univ., Korea), Seung Jae Moon (UNIST, Korea), and Byung Seong Bae (Hoseo Univ., Korea)

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Stretchable PCB Structures and Fabrication Processes for Flexible Electronics

Dong-Wook Lee, Hyun-Soo Park, and Honyeon Lee (Soonchunhyang Univ., Korea)

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Internal Flow Control of Ternary Solvent System for Uniform Emissive Layer Formation via Vacuum Drying in Inkjet-Printed OLED Displays

Youngwook Noh, Sang Youn Lee, Jonghyun Choi, and Kwan Hyun Cho (KITECH, Korea)

[P2-108]

Wavelength-Deviation-Based Automated Optical Inspection (AOI) for Defect Classification and Visualization in Micro-LED Chips

Youngjin Oh, Hong Joo Song, Kyoungwon Park, and Sangwoong Baek (KETI, Korea)

[P2-109]

Assessment of Dielectric Suitability through C-V Measurement

Jeong Su Kim, Seung Jun Choi (Hoseo Univ., Korea), Seung Jae Moon (UNIST, Korea), and Byung Seong (Hoseo Univ., Korea)

[P2-110]

Al-Doped SiC-ON Thin Films with Enhanced Optical and Mechanical Properties for Cover Windows of Mobile Displays

Hyeon Seok Lee, Jong-Hyeon Jang, Ju-Yong Kim, Ye-Jin Shim, Yeoung-Eun Seo, and Han-Ki Kim (Sungkyunkwan Univ., Korea)

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Analysis of Changes in Mechanical Properties of Films by Repeated Folding Test for Flexible Display

Hyo Jin Bang, Sangwoong Baek, and Chan-Jae Lee (KETI, Korea)

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Electrohydrodynamic Ink Jetting Behavior of High-Viscosity Fluids under Various Printing Parameters

Seonmin Lee, Yoon-Jeong Choi, and Byung Doo Chin (Dankook Univ., Korea)

[P2-113]

Imaging Colorimeter with Double-Sided Telecentric Lens for Micro-Display Measurement

Hyun Seock Oh, Chang Hun Lim, Seung Jin Lee, Hyunjong Lee, Jun Seop Kim, Ji Heon Choi, Kyu Seok Kim, and Kyu Ho Lee (ANI Co., Ltd., Korea)

[P2-114]

Image Analysis Method for Inkjet Printing Uniformity and Defect Detection for Quantum Dot Light Emitting Diodes

Na Min Kim, Yoon-Jeong Choi, and Byung Doo Chin (Dankook Univ., Korea)

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Hydrogen Barrier Enhancement for Indium-Gallium-Zinc-Oxide Thin-Film Transistors Using ALD-Deposited $\text{Al}_2\text{O}_3/\text{AlF}_3$ Nanolaminates

Changyun Na, Changjun Noh, Sungkyu Jang, Hoyean Yoon, and Sung Min Cho (Sungkyunkwan Univ., Korea)

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