

iMiD 2020

The 20th International Meeting on Information Display
August 25 - 28, 2020 / Online Conference

Topic Title: 07. Display Electronics and Systems

Session Title: 03. Poster Session 7

[03_07_1197]

Image Processing for Under Panel Camera Display

Jungkyu Kim, Myeongwoo Lee, Bitna Lee, Deokhwa Woo (Samsung Display Co., Ltd., Korea)

[03_07_1223]

Capacitive Sensor Integration Circuit Using Photo-Patternable Ionic PUA Based Coplanar α -InGaZnO TFTs

Changhyeon Cho, Yongchan Kim (Soongsil Univ., Korea), Hanbin Choi, Do Hwan Kim (Hanyang Univ., Korea), and Hojin Lee (Soongsil Univ., Korea)

[03_07_1270]

Efficient Powering in Display Subsystem Using Active Clamp Resonant DC-DC Converters

Satoshi Ikeda (Panasonic Corp., Japan), Kazuhiro Kajiwara, Kazuki Tsuji, and Fujio Kurokawa (Nagasaki Inst. of Applied Science, Japan)

[03_07_1273]

A Study on the Display Sensor Noise Analysis with TFT Model

Hyeondo Park, Hyochul Lee, Insoo Wang, Byeongtaek Son, Yudeok Seo, Dongjin Seo, and Yongjo Kim (Samsung Display Co., Ltd., Korea)

[03_07_1306]

Simulation Method of Full Panel Circuit for High Resolution OLED Display Panel

Chol Ho Kim, Won Jun Lee, Hae Ryeong Park, Young Yoo Lee, and Yongjo Kim (Samsung Display Co., Ltd., Korea)

[03_07_1316]

Adaptive Bias Current Control Technique for Low Static Current in Driver IC

Sanghyun Heo, Jong-Soo Kim, Junyong Song, Jiwoong Kim, Seongjoo Lee, Hyunggun Ma, and OhJo Kwon (Samsung Display Co., Ltd., Korea)

IMiD 2020

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[03_07_1322]

A Study on OTA Measurement Technology for Antenna Display

Sangrock Yoon, Bonghyun You, Wonsang Park, Kiseo Kim, Jaekyoung Kim, Seongryong Lee, and Eunjin Sung (Samsung Display Co., Ltd., Korea)

[03_07_1376]

Doping-Induced Optical Refining of Organic Photodiodes for R/NIR Selectivity

Mingyun Kang (DGIST, Korea), Juhee Kim, Syed Zahid Hassan, and Dae Sung Chung (POSTECH, Korea)

[03_07_1379]

Round Design Algorithm for OLED

Takeshi Kato, Geunyoung Jeong, Hosuk Maeng, Yangsoo Kim, and Wonjun Choe (Samsung Display Co., Ltd., Korea)

[03_07_1385]

Breath-Figure Molding of Polymer Transistors to Realize Flexible and Highly Selective NO_x Sensors

Seong Hoon Yu (DGIST, Korea), Henok Getachew Girma (KRICT, Korea), Kyu Min Sim (DGIST, Korea), Hoyoul Kong (KRICT, Korea), and Dae Sung Chung (POSTECH, Korea)

[03_07_1392]

Surfactant-Induced Solubility Control to Realize Water-Processed High Precision Patterning of Polymeric Semiconductors for Full Color Organic Image Sensor

Kyu Min Sim (POSTECH, Korea), Geon-Hee Nam (DGIST, Korea), and Dae Sung Chung (POSTECH, Korea)

[03_07_1424]

Mura Compensation Algorithm based on Noise Reduction Code

Hyunseuk Yoo, Jieun Park, Seokha Hong, Kyungwoo Kim, and Hyesang Park (Samsung Display Co., Ltd., Korea)

iMiD 2020

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[03_07_1484]

An Improved Driver Circuit Design of Glass-Based CMOS Liquid Crystal Display Panel Based on Register Transfer Level

Jing Zhao, Yehao Zhang, Xiuyun Chen, Lingyu Sun, Tingxiu Hou, Zhenguo Xu, Meng Shi, Yadong Huang, Dapeng Liang, and Jing Zhao (Beijing BOE Optoelectronics Tech. Co., Ltd., China)

[03_07_1540]

Investigation of Ammonium Sulphite Treatment on Si/Al₂O₃ Interfaces for Non-Volatile Memory Applications

Khushabu Agrawal, Vilas Patil, Jaemin Kim, Geonju Yoon, Eun-Chel Cho, and Junsin Yi (Sungkyunkwan Univ., Korea)

[03_07_1584]

InGaZnO Synaptic Device with Charge-Trapping Layer under Illumination Conditions for Unsupervised Spiking Neural Networks

Kihwan Kim, Taeho Lee, Youngjoon Choi, Junsu Lee, Tae-jun Seok, Tae Joo Park, and Saeroonter Oh (Hanyang Univ., Korea)

[03_07_1688]

Readout Circuit for In-Cell Touch Panel by Sharing with Source Driver IC Amplifier

Ju Youg Choi, YongHoo Hong, JongSu Oh, EunKyo Jung, JungWoo Lee (Sungkyunkwan Univ., Korea), KeeChan Park (KonKuk Univ., Korea), JaeHong Jeon (Korea Aerospace Univ., Korea), SooYeon Lee (Seoul Nat'l Univ., Korea), and YongSang Kim (Sungkyunkwan Univ., Korea)

[03_07_2006]

Humidity Effects on Synaptic Characteristics of Peptide-Based Transistors

Wonjae Ji, Min-Kyu Song, and Jang-Yeon Kwon (Yonsei Univ., Korea)

[03_07_2007]

Image Quality Enhancement by Estimation of Illumination based on Main Chroma Area

Ji-Heon Lee and Young-Kyu Hong (KETI, Korea)