

IMiD 2021

The 21st International Meeting on Information Display
August 25-27, 2021 / COEX, Seoul, Korea

Session Title:	[TC4] Oral 21. Emerging Technologies for Medical/Bio-Integrated Devices and Display
Session Date:	August 26 (Thursday), 2021
Session Time:	16:00-17:10
Session Room:	Room C (104+105)
Session Chair(s):	Jang-Ung Park (Yonsei Univ., Korea)

[TC4-1] [Featured Invited] **On-line (Live Streaming) / 16:00-16:30**

Strong Light-Matter Coupling Allows Efficient Micro-Cavity OLEDs with High Angular Stability

Andreas Mischok, Sabina Hillebrandt, Seonil Kwon (Univ. of St Andrews, UK), and Malte C. Gather (Univ. of Cologne, Germany)

[TC4-2] [Invited] **Off-line / 16:30-16:55**

Soft, Resorbable Bioelectronics

Suk-Won Hwang (Korea Univ., Korea)

[TC4-3] [Invited] **On-line (Pre-recorded) / On-demand**

Flexible, Infrared Covert Displays with Hybrid Planar-Plasmonic Cavities

Young Min Song (GIST, Korea)

[TC4-4] **Off-line / 16:55-17:10**

Psoriasis Treatment Using a High Power Deformable OLED Patch

Young Cheol Seo, Ilkoo Noh, Yongmin Jeon, Hyeongseop Keum, Changjin Seo, Sangyong Jon, and Kyung Cheol Choi (KAIST, Korea)

[TC4-5] [Invited] **On-line (Pre-recorded) / On-demand**

2D Interlayer Enabled Electrical Ductility for Flexible Electronics and Display

Pilgyu Kang (George Mason Univ., USA), Chulhee Cho, Amir Taqieddin, Yuhang Jing, Keong Yong, Jin Myung Kim, Md Farhadul Haque, Narayana R. Aluru, and SungWoo Nam (Univ. of Illinois at Urbana-Champaign, USA)

[TC4-6] [Invited] **On-line (Pre-recorded) / On-demand**

Polymeric Devices for Infrared Upconversion Imagers and Haptic Interfaces

Ning Li, Yichen Zhai, and Tse Nga Ng (UC San Diego, USA)

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[TC4-7] [Invited]

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Organic LEDs as Bio-Integrated Stimulation Platform

Caroline Murawski, Ilenia Meloni (Kurt Schwabe Inst. Meinsberg, Germany), Changmin Keum, Yali Deng, Andrew Morton, Stefan R. Pulver (Univ. of St Andrews, UK), and Malte C. Gather (Univ. of Cologne, Germany)

[TC4-8] [Invited]

On-line (Pre-recorded) / On-demand

LEDs and MicroLEDs for Biophotonics Applications

Ioannis Kymissis, Keith Behrman, and Christopher Choi (Columbia Univ., USA)

[TC4-9] [Invited]

On-line (Pre-recorded) / On-demand

Strain-Engineered Van der Waals Materials for Deformable Electronics

SungWoo Nam (Univ., of Illinois, USA)

[TC4-10]

On-line (Pre-recorded) / On-demand

Integrated Retinal Prosthesis with Three-Dimensional Soft Bioelectrodes for Murine Vision Restoration

Won Gi Chung, Jiuk Jang, Hyobeom Kim, and Jang-Ung Park (Yonsei Univ., Korea)

[TC4-11]

On-line (Pre-recorded) / On-demand

Multimodal Cardiac Organoid Sensing for Biomedical Modelling

Moohyun Kim, Jae Chul Hwang, and Jang-Ung Park (Yonsei Univ., Korea)