

# IMiD 2021

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

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<b>Session Title:</b>	<b>[WC3] Oral 09. Holography &amp; Aerial Displays</b>
<b>Session Date:</b>	<b>August 25 (Wednesday), 2021</b>
<b>Session Time:</b>	<b>17:00-18:40</b>
<b>Session Room:</b>	<b>Room C (104+105)</b>
<b>Session Chair(s):</b>	<b>Keehoon Hong (ETRI, Korea)</b>

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**[WC3-1] [Invited]**

**Off-line / 17:00-17:25**

## **Key Devices for Slim Holographic Flat Panel Display**

Hoon Song, Chil-Sung Choi, Jungkwuen An, Young Kim, Kanghee Won, Yunhee Kim, Hong Suk Kim, Jong-Yong Hong, Hyeonseung Yu (SAIT, Korea), Aleksander Morozov, German Dubinin, Andrey Manko (Samsung Research Russia, Russia), Hong-Seok Lee, and Sunghoon Hong (SAIT, Korea)

**[WC3-2]**

**Off-line / 17:25-17:40**

## **Standalone 360-Degree Digital Holographic Display**

Daerak Heo, Hosung Jeon, Sunjin Lim (Kyungpook Nat'l Univ., Korea), Hwi Kim (Korea Univ., Korea), Youngju Kim, Kangbae Lee (Yunam Optics, Korea), and Joonku Hahn (Kyungpook Nat'l Univ., Korea)

**[WC3-3]**

**Off-line / 17:40-17:55**

## **Binary-Encoded Full Color Hologram Using Error Diffusion for a Digital Micro-Mirror Device**

Kyosik Min and Jae-Hyeung Park (Inha Univ. Korea)

**[WC3-4]**

**Off-line / 17:55-18:10**

## **Structured Light Depth Estimation System Using Geometric Phase Self-Interference Incoherent Digital Holography**

Youngrok Kim, Hogil Baek, and Sung-Wook Min (Kyung Hee Univ., Korea)

**[WC3-5]**

**Off-line / 18:10-18:25**

## **Fabrication of Holographic Asymmetric Diffuser for 360-Degree Light Field Display**

Myungjun Ko, Hosung Jeon, Daerak Heo, Minwoo Jung, and Joonku Hahn (Kyungpook Nat'l Univ., Korea)

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[WC3-6]

Off-line / 18:25-18:40

**Generation of High View-Reference-Point Density in Time-Sequential Super Multi View Display**

Sungjin Lim, Hosung Jeon, Minwoo Jung, Daerak Heo, and Joonku Hahn (Kyungpook Nat'l Univ., Korea)

[WC3-7] [Invited]

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

**Fundamentals and Recent Developments on Aerial Display for Touchless Interface**

Masaki Yasugi and Hirotsugu Yamamoto (Utsunomiya Univ., Japan)

[WC3-8] [Invited]

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

**Enhanced Resolution for Computer Generated Holographic Display Using the Phase-Only SLMs**

Zehao He, Kexuan Liu, Xiaomeng Sui, Jiachen Wu, and Liangcai Cao (Tsinghua Univ., China)

[WC3-9]

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

**Volumetric Display with Multicolor based on Re-Imaging of Aerial Graphics Rendered by Femtosecond Laser Excitation**

Kota Kumagai, Shun Miura, and Yoshio Hayasaki (Utsunomiya Univ., Japan)

[WC3-10]

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

**A New Rewriting Method for Arc 3D Display by Utilizing Fresnel Arc Structures and Their Vertical-Shift Arrangement**

Haruto Taguchi, Haruki Mizushima, Kenji Yamamoto, and Shiro Suyama (Tokushima Univ., Japan)

[WC3-11]

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

**MTF Measurement of Aerial Image Formed by Retro-Reflection with Polarization**

Kazuaki Takiyama, Haotong Guo, Ryota Kakinuma, Masaki Yasugi, and Hitotsugu Yamamoto (Utsunomiya Univ., Japan)

[WC3-12]

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

**Influence of Floating Distance on Imaging Resolution in Aerial Imaging by Retro-Reflection (AIRR)**

Haotong Guo, Kazuaki Takiyama, Ryota Kakinuma, Masaki Yasugi, and Hirotsugu Yamamoto (Utsunomiya Univ., Japan)