

# 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>[WC1] Oral 03. Applied Vision and Human Factors</b>                                  |
| <b>Session Date:</b>     | <b>August 25 (Wednesday), 2021</b>  |
| <b>Session Time:</b>     | <b>13:00-14:20</b>  |
| <b>Session Room:</b>     | <b>Room C (104+105)</b>   |
| <b>Session Chair(s):</b> | <b>Youngshin Kwak (UNIST, Korea)<br/>Gunshik Kim (Samsung Display Co., Ltd., Korea)</b> |

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**[WC1-1] [Featured Invited]** **On-line (Live Streaming) / 13:00-13:30**

**Ghosts and Other Motion Artifacts that Haunt Displays**

Dale Stolitzka (Samsung Display Co., Ltd., Korea)

**[WC1-2] [Invited]** **Off-line / 13:30-13:55**

**Deep Learning Based Image Quality Restoration for Display Defects Detection Using X-Ray Inspection**

Byungseok Min (XAVIS Co., Ltd., Korea)

**[WC1-3] [Invited]** **Off-line / 13:55-14:20**

**Simulation of Image Quality Using Optical Properties of Light-Emitting Device and Panel Structure**

Gunshik Kim and Jongbeom Hong (Samsung Display Co., Ltd., Korea)

**[WC1-4] [Invited]** **On-line (Pre-recorded) / On-demand**

**Visualization of Color Gamut Intersection Using Gamut Rings**

Kenichiro Masaoka (NHK STRL, Japan)

**[WC1-5] [Invited]** **On-line (Pre-recorded) / On-demand**

**Tone Reproduction of Transparent Display under Various Background-Surround Conditions**

Pei-Li Sun, Yu-Ting Cheng (Nat'l Taiwan Univ. of Science and Tech., Taiwan), and Hung-Chung Li (Chang Gung Univ. of Science and Tech., Taiwan)

**[WC1-6] [Invited]** **On-line (Pre-recorded) / On-demand**

**Subjective Quality Assessment of VESA Display Stream Compression Codecs**

Robert S. Allison and Laurie M. Wilcox (York Univ., Canada)

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**[WC1-7] [Invited]**

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**Appearance Transforms in Video/HD/UHD/HDR Consumer Display**

Charles Poynton (Independent Researcher, Canada)

**[WC1-8] [Invited]**

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

**Evaluating Display Ambient Contrast with Self Reflection**

John Penczek (NIST, USA)

**[WC1-9]**

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

**Sensitivity of VESA Display Stream Compression Codecs to Chromatic Aberration**

Domenic Au, Sanjida Sharmin Mohona, Yuqian Hou, Onoise Gerald Kio (York Univ., Canada), James Goel (Qualcomm Canada Inc., Canada), Natan Jacobson (Qualcomm Inc., USA), Robert Allison (York Univ., Canada), and Laurie Wilcox (York Univ., Canada)

**[WC1-11]**

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

**Luminance and Color Measurements at Subpixel Level Using Microscopic and Macroscopic Lenses with Imaging Luminance Measurement Devices**

Ingo Rotscholl (TechnoTeam, Germany), Shin Myung Choi (IS-Soft Co., Ltd., Korea), Tobias Porsch, and Udo Krüger (TechnoTeam, Germany)

**[WC1-12]**

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

**Novel Image Quality Characteristics of MicroLED TV**

Daeun Park, YoonJung Kim, and YungKyung Park (Ewha Womans Univ., Korea)

**[WC1-13]**

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

**A Study of Directivity Characteristics for TV Audio Systems**

Jang-Un Kwon, Jeong Man Lee, Jang Jin Yoo (LG Display Co., Ltd., Korea)

**[WC1-14]**

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

**Measurement Methods for the Seam of Tiled Display**

JaeHong Kim, HeeEun Lee, and Junwoo Jang (LG Display Co., Ltd., Korea)