

# 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>[WA3] Oral 07. Manufacturing Analysis with AI/Simulation</b>
<b>Session Date:</b>	<b>August 25 (Wednesday), 2021</b>
<b>Session Time:</b>	<b>17:00-18:25</b>
<b>Session Room:</b>	<b>Room A (101+102)</b>
<b>Session Chair(s):</b>	<b>Yudeok Seo (Samsung Display Co., Ltd., Korea)</b>

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**[WA3-1] [Invited]** Off-line / 17:00-17:25

**Quality Control and Process Understanding in Display Manufacturing**

Il-Chul Moon (KAIST, Korea)

**[WA3-2]** Off-line / 17:25-17:40

**Targeted Machine Sound Separation by Deep Noise Verification**

Jungwon Ryu, Hankyeol Lee, Euiyeol Oh, Changgone Kim, and Sooyoung Yoon (LG Display Co., Ltd., Korea)

**[WA3-3]** Off-line / 17:40-17:55

**Two-Tier Ensemble Deep Learning Model for Anomaly Detection in OLED Encapsulation Process**

Younggil Jin, Jongmyong Choi, and Pilho Kim (Samsung Display Co., Ltd., Korea)

**[WA3-4]** Off-line / 17:55-18:10

**Edge-Aware Layer Segmentation for Scanning Electron Microscope Image**

Jinwoo Seo, Hyebin Lee, Hyunji Pak, Dongshin Choi, Minbeom Kim, Ilho Kim, Seokwoo Lee, and Sooyoung Yoon (LG Display Co., Ltd., Korea)

**[WA3-5]** Off-line / 18:10-18:25

**EXplainable AI(XAI) for Low Gray Failure Analysis**

Kyongtae Park, Changyun Moon, Sungjun Kim, and Donghoon Jung (Samsung Display Co., Ltd., Korea)

**[WA3-6] [Invited]** On-line (Pre-recorded) / On-demand

**Predictive Modeling of Thermal Reflow Process for Photosensitive Polyimide**

Vitaly Domnenko (Synopsys SPb LLC, Russia), Eun-Soo Jeong, Sang Yil Chang (Synopsys Korea Inc, Korea), Juergen Preuninger, Ulrich Klostermann, and Mariya Braylovska (Synopsys GmbH, Germany)