

# IMiD 2020

The 20th International Meeting on Information Display  
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**Topic Title:** 15. Touch and UI/UX Displays

**Session Title:** 03. Poster Session 15

[03\_15\_1288]

**Intrinsically Strain-Insensitive, Hyperelastic Temperature-Sensing Fiber with Compressed Micro-Wrinkles for Integrated Textronics**

Jihyun Lee, Da Wan Kim, and Changhyun Pang (Sungkyunkwan Univ., Korea)

[03\_15\_1289]

**Flexible Piezoelectric Nanocomposites Device with Microhairy Structure for Energy Harvesting**

Ja Yun Choi, Sungwoo Chun, and Changhyun Pang (Sungkyunkwan Univ., Korea)

[03\_15\_1442]

**Analysis and Improvement of Defective Whine on Touch Screen**

Peirong Huo, Shun Zhao, Delong Zhong, Zhiqiang Wang, and Jingyi Xu (Ordos Yuansheng Optoelectronics Co., Ltd., China)

[03\_15\_1449]

**Development of Touch Screen Panel(TSP)-Based Bio-Sensing Technology**

Yuna Kim, Boram Choi, Soojung Lee, Seungwook Chun, Chul Kim, WonSang Park, and Bonghyun You (Samsung Display Co., Ltd., Korea)

[03\_15\_1621]

**Hydrogen Bond-Triggered Mechanotransduction in Synthetic Multicellular Hybrid Ion Pump for Ultrasensitive Ionic Skin**

Joo Sung Kim, Hanbin Choi, Hyukmin Kweon, and Do Hwan Kim (Hanyang Univ., Korea)

[03\_15\_1666]

**High-Performance Ionic Polymer-Metal Composite Based Mechanotransducer for Soft Haptic Feedback**

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

**[03\_15\_1701]**

**Interactive 360° Viewable Holographic Tabletop Display by Hand Gestures**

Jaehan Kim, Sungbae Cho, and Jinwoong Kim (ETRI, Korea)

**[03\_15\_1702]**

**Enhancement in Sensitivity of Flexible Capacitive Pressure Sensors by Using Double-Layered Elastomeric Dielectric**

Jeong Sik Na and Tae Hoon Lee (Kwangwoon Univ., Korea)

**[03\_15\_2017]**

**Conformal Fingertip Sensor Using in-situ Human Tactile Perception Analysis Method**

Minhoon Park (KRISS, Korea), Je-Jung Kim (Yonsei Univ., Korea), Bo-Gyu Bok (KRISS, Korea), Jong-Hyun Ahn (Yonsei Univ., Korea), and Min-Seok Kim (KRISS, Korea)

**[03\_15\_2018]**

**Enhanced Actuating Deflection Using Analytical Study of Multilayered Structure**

Jun Hyuk Shin, Su An Lee, and Su Seok Choi (POSTECH, Korea)