

IMiD 2023

The 23rd International Meeting on Information Display
August 22-25, 2023 / BEXCO, BUSAN, KOREA

Session Title:	55. Material Design with AI & Simulation
Session Date:	August 25 (Fri.), 2023
Session Time:	10:40-12:20
Session Room:	Room G (314~315)
Session Chair(s):	Dr. Shaun Kwak (Schrodinger, USA) Mr. Hoilim Kim (Samsung Display Co., Ltd., Korea)

[G55-1] [Invited] 10:40-11:05

Experimental and Quantum-Chemical Study of the Exciton Binding Energy in Disordered Organic Semiconductors

R. Coehoorn, B. Baumeier, G. Tirimbo, C.H.L. Weijtens, H. Tomita, P.A. Bobbert (Eindhoven Univ. of Tech., The Netherlands), and S. Gottardi (Simbeyond B.V., The Netherlands)

[G55-2] [Invited] 11:05-11:30

AI-Driven Exploration of Organic Molecules for n-Charge Generation Layers

Seungwu Han (Seoul Nat'l Univ., Korea)

[G55-3] [Invited] 11:30-11:55

Smart Design of Display Materials Powered by Augmented Intelligence: A New Strategy in the Era of Digital Chemistry

H. Shaun Kwak, Hadi Abroshan, Anand Chandrasekaran, Paul Winget, David J. Giesen, Thomas J. Mustard, Yun Liu, and Mathew D. Halls (Schrodinger Inc., USA)

[G55-4] [Invited] 11:55-12:20

Digital Discovery and Development of Organic Electronic Materials

Tobias Neumann, Artem Fediai, Timo Strunk, and Franz Symalla (Nanomatch GmbH, Germany)