36B. Detectors and imaging technologies II

Session Date: March 9 (Thu.), 2023
Session Time: 14:45-16:15
Session Room: Room B (#307 bc)
Session Chair: Prof. Sang Min Won (Sungkyunkwan University)
Prof. Jeongkyun Roh (Pusan National University)

[36B-1] [Invited] 14:45-15:10
Solid-State High-Gain Optical Sensors with a Non-Avalanche Approach
Yihong Qi¹,², Chao Gao¹ and Kai Wang¹,²
¹Sun Yat-sen University, ²Foshan Retinal Insights Technology Co., Ltd.

[36B-2] [Invited] 15:10-15:35
Enhanced Emission from the Bright Exciton and Locating the Dark Exciton in Strained Compositionally Graded CdSe/CdxZn1-xSe Quantum Dots
Igor Fedin¹,², Mateusz Goryca², Scott Crooker², Victor I. Klimov², Dan Liu² and Sergei Tretiak²
¹The University of Alabama, ²Los Alamos National Laboratory

[36B-3] [Invited] 15:35-16:00
Intelligent Skin Electronics for Healthcare Monitoring and Touch VR
Xinge Yu
City University of Hong Kong

[36B-4] 16:00-16:15
A Backside Trench Guide Enhancing Optical Efficiency of Near-Infrared in CMOS Image Sensor
Hyungjune Yoon, Tae-Ho Lee, Kyungsu Byun, Jaehyun Park, Hyekyung Jung, Heesung Kim, Jinhee Cho, Hun Jeong, Dongho Ha, Hoonmoo Choi, Seunghyun Yoon, Namryeol Kim, Wonje Park, Seonghun Kang, Kyungdo Kim, Kangbong Seo, Hoon-Sang Oh and Chang-Rock Song
SK hynix Inc.