

[WeB1] UV Lasers and Photodetectors

Date / Time May 25 (Wed.), 2022 / 10:00–12:00
Place Convention Hall B
Session Chair Myeong Seok Oh (Photon Wave Co., Ltd., Korea)

[WeB1-1] Invited Talk

Online 10:00–10:30

AlGaN-Based UV-B Laser Diodes Fabricated on Lattice-Relaxed AlGaIn Formed on Sapphire Substrates

Motoaki Iwaya¹, Sho Iwayama^{1,2}, Tetsuya Takeuchi¹, Satoshi Kamiyama¹, Hideto Miyake¹
¹Meijo University, Japan, ²Mie University, Japan

[WeB1-2] Invited Talk

Online 10:30–11:00

Semipolar AlGaIn-Based Solar-Blind Ultraviolet Photodetectors with Fast Response

Tongbo Wei, Yaqi Gao, Jiankun Yang, Jianchang Yan, Junxi Wang, Jinmin Li
Chinese Academy of Sciences, China

[WeB1-3] Oral

Online 11:00–11:20

Effect of Oxygen Vacancies in Heteroepitaxial β -Ga₂O₃ Thin Film Solar Blind Photodetectors

R.Xu, X.C.Ma, Y.H.Chen, Y.Mei, L.Y.Ying, B.P.Zhang, H.Long
Xiamen University, China

[WeB1-4] Oral

Online 11:20–11:40

Gain Characteristic of AlGaIn-Based Optically Pumped Lasers with SQW Active Region Emitting at 275 nm

Giulia Cardinali¹, Bernd Witzigmann², Markus Blonski¹, Norman Susilo¹, Daniel Hauer Vidal¹, Martin Guttman¹, Felix Nippert¹, Tim Wernicke¹, Markus R. Wagner¹, Michael Kneissl¹
¹The Technical University of Berlin, Germany, ²University of Erlangen-Nuremberg, Germany

[WeB1-5] Oral

Online 11:40–12:00

Performances of AlGaIn-Based UV-B Laser Diode Fabricated on Periodic Concavo-Convex AlN Patterns

R. Kondo¹, T. Omori¹, K. Yamada¹, R. Hasegawa¹, A. Yabutani¹, E. Matsubara¹, S. Iwayama^{1,2}, M. Iwaya¹, T. Takeuchi¹, S. Kamiyama¹, H. Miyake²
¹Meijo University, Japan, ²Mie University, Japan