

[ThB3] AlN Bulk Crystals and Templates–2 (Crystalline Quality)

Date / Time May 26 (Thu.), 2022 / 13:00–14:40
Place Convention Hall B
Session Chair Hae–Yong Lee (LumiGNtech Co., Ltd., Korea)

[ThB3–1] Invited Talk

Online 13:00–13:30

Fabrication of Face-to-Face Annealed Sputter-Deposited AlN for High EQE 265 nm LEDs

Kenjiro Uesugi¹, Shigeyuki Kuboya¹, Takao Nakamura^{1,2}, Kanako Shojiki¹, Shiyu Xiao¹, Masataka Kubo¹, Hideto Miyake¹

¹Mie University, Japan, ²The University of Tokyo, Japan

[ThB3–2] Invited Talk

Offline 13:30–14:00

High-Temperature Annealed Al(Ga)N Templates for UV LEDs–Opportunities and Challenges

Sylvia Hagedorn, Tim Kolbe, Arne Knauer, Anna Mogilatenko, Markus Weyers
Ferdinand–Braun–Institut, Germany

[ThB3–3] Oral

Online 14:00–14:20

Crystalline Quality Improvement of N-Polar AlN Films Sputtered on 4H-SiC Substrates

Ruijie Zhang^{1,2}, Yanan Guo^{1,2}, Tingsong Cai^{1,2}, Zhibin Liu^{1,2}, Jianchang Yan^{1,2}, Jinmin Li^{1,2}, Junxi Wang^{1,2}
¹Chinese Academy of Sciences, China, ²University of Chinese Academy of Sciences, China

[ThB3–4] Oral

Online 14:20–14:40

Crystalline Quality and Surface Morphology Improvement of Face to Face Annealed MBE-Grown AlN on h-BN

Aly Zaiter¹, Adrien Michon¹, Aimeric Courville¹, Maud Nemoz¹, Philippe Vennéguès¹, Phuong Vuong², Suresh Sundaram², Abdallah Ougazzaden^{2,3}, Julien Brault¹

¹CNRS–CRHEA, France, ²Georgia Tech Lorraine, France, ³Georgia Institute of Technology, USA