

[ThB1] Nanostructures and Nanodevices

Date / Time May 26 (Thu.), 2022 / 09:00–10:40
Place Convention Hall B
Session Chair Young Joon Hong (Sejong University, Korea)

[ThB1-1] Invited Talk

Online 09:00–09:30

Understanding and Improving the Efficiency of hBN and AlGaN Light Emitters through Predictive Atomistic Calculations

Emmanouil Kioupakis
University of Michigan, USA

[ThB1-2] Invited Talk

Online 09:30–10:00

Luminescence Properties for III-Nitride Semiconductor Nanostructures and Optoelectronic Devices with Wavelength Range from Visible to Ultraviolet

Bin Liu¹, Tao Tao¹, Ting Zhi¹, Yan Yu¹, Zili Xie¹, Fangfang Ren¹, Dunjun Chen¹, Hai Lu¹, Huang Kai², Jinchai Li², Rong Zhang^{1,2}
¹*Nanjing University, China*, ²*Xiamen University, China*

[ThB1-3] Oral

Offline 10:00–10:20

Deep UV LEDs with Quantum Dots Active Regions

J. Brault¹, A. Zaiter¹, M. Leroux¹, M. Al Khalfioui¹, N. Nikitskiy¹, S. Matta^{1,2,3}, A. Courville¹, V. Brändli¹, P. Genevet¹, T.-H. Ngo², P. Valvin², B. Gil², J.-H. Cho⁴, S.-H. Lim⁴, M. Choi⁴, Y.-H. Cho⁴
¹*CNRS-CRHEA, France*, ²*CNRS-The University of Montpellier, France*, ³*RIBER S.A, France*, ⁴*Korea Advanced Institute of Science and Technology, Korea*

[ThB1-4] Oral

Offline 10:20–10:40

Direct Growth of Wafer Scale Hexagonal Boron Nitride on Silicon Based Substrate by MOCVD for Silicon Electronics

Jiye Kim, Chang-Won Choi, Seokho Moon, Doh Kyung Yeon, Hokyong Jeong, Jaewon Kim, Dong-Hwan Yang, Donghwa Lee, Si-Young Choi, Jong Kyu Kim
Pohang University of Science and Technology, Korea