

[TuA2] Optical Properties of BN

Date / Time May 24 (Tue.), 2022 / 16:30–18:30

Place Convention Hall A

Session Chair Hyeon Suk Shin (UNIST, Korea)

[TuA2-1] Invited Talk

Online 16:30–17:00

Efficient Light–Matter Interaction in Hexagonal Boron Nitride

Guillaume CASSABOIS

CNRS–The University of Montpellier, France

[TuA2-2] Invited Talk

Offline 17:00–17:30

Probing Deep–Ultraviolet Optoelectronic Processes in Hexagonal Boron Nitride

Jonghwan Kim

Pohang University of Science and Technology, Korea

[TuA2-3] Oral

Online 17:30–17:50

First Observation of Bernal Boron Nitride Single Crystals

Rousseau Adrien¹, Valvin Pierre¹, Cassabois Guillaume¹, Gil Bernard¹, James H. Edgar², Jiahan Li², Eli Janzen²

¹CNRS–The University of Montpellier, France, ²Kansas State University, USA

[TuA2-4] Oral

Online 17:50–18:10

Deep–Ultraviolet Electroluminescence in Van der Waals Heterostructures of Hexagonal Boron Nitride

Sangho Yoon^{1,2}, Su–Beom Song^{1,2}, So Young Kim^{1,2}, Sera Yang¹, Seung–Young Seo^{1,2}, Soonyoung Cha^{1,2}, Hyeon–Woo Jeong¹, Kenji Watanabe³, Takashi Taniguchi³, Gil–Ho Lee¹, Jun Sung Kim^{1,2}, Moon–Ho Jo^{1,2}, Jonghwan Kim^{1,2}

¹Pohang University of Science and Technology, Korea, ²Institute for Basic Science, Korea, ³National Institute for Materials Science, Japan

[TuA2-5] Oral

Online 18:10–18:30

Deep–Ultraviolet Photoluminescence Excitation Spectroscopy of Hexagonal Boron–Nitride Crystals

Su–Beom Song^{1,2}, Sangho Yoon^{1,2}, So Young Kim^{1,2}, Sera Yang¹, Seung–Young Seo^{1,2}, Soonyoung Cha^{1,2}, Hyeon–Woo Jeong¹, Kenji Watanabe³, Takashi Taniguchi³, Gil–Ho Lee¹, Jun Sung Kim^{1,2}, Moon–Ho Jo^{1,2}, Jonghwan Kim^{1,2}

¹Pohang University of Science and Technology, Korea, ²Institute for Basic Science, Korea, ³National Institute for Materials Science, Japan