

## [ThA3] Growth and Properties of AlGaN Heterostructures

**Date / Time** May 26 (Thu.), 2022 / 13:00–15:00  
**Place** Convention Hall A  
**Session Chair** Jong-In Shim (Hayang University, Korea)

### [ThA3-1] Invited Talk

**Offline** 13:00–13:30

#### Strategies of AlGaN Heterostructure Design and Growth for UVC Optoelectronic and Electronic Device Applications

Uiho Choi<sup>1</sup>, Minho Kim<sup>1</sup>, Byeongchan So<sup>2</sup>, Okhyun Nam<sup>1</sup>

<sup>1</sup>Tech University of Korea, Korea, <sup>2</sup>Karlsruhe Institute of Technology, Germany

### [ThA3-2] Invited Talk

**Offline** 13:30–14:00

#### Nanoscale Characterization of Novel AlGaN/GaN-Based Nanostructures

Juergen Christen, Gordon Schmidt, Frank Bertram  
*Otto von Guericke University Magdeburg, Germany*

### [ThA3-3] Oral

14:00–14:20

Withdrawn

### [ThA3-4] Oral

**Offline** 14:20–14:40

#### Development of High Power 345nm AlGaN-Based UVA LEDs Grown on AlN Template

Hae Jin Park, Yoon Joon Sung, Seung Kyu Oh, Myeong Seok Oh  
*Photon Wave Co., Ltd., Korea*

### [ThA3-5] Oral

**Online** 14:40–15:00

#### Atomic-Scale Mechanism of Spontaneous Polarity Inversion in Nitrides on Sapphire Substrate Grown by MOCVD

Liu Zhiqiang<sup>1</sup>, Gao Peng<sup>2</sup>

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