

Session Title:	56. Red Micro LED & Applications
Session Date:	August 26 (Fri.), 2022
Session Time:	11:00-12:35
Session Room:	Room H (316~317)
Session Chair(s):	Prof. Yong-Ho Ra (Jeonbuk Nat'l Univ., Korea) Dr. Myung Soo Han (LG Display Co., Ltd., Korea)

[H56-1] [Invited] 11:00-11:25

High Efficiency Submicron Scale Green and Red LEDs

Zetian Mi (Univ. of Michigan, USA)

[H56-2] [Invited] 11:25-11:50

Tuning III-N Emission for Red Light Emitting Devices

N. Ben Sedrine (i3N & Univ. de Aveiro & Castros S.A., Portugal), J. Rodrigues (Univ. de Aveiro, Portugal), D. Nd. Faye (Inst. Superior Técnico, Portugal), M. Bockowski (Polish Academy of Sciences, Poland), V. Hoffmann, M. Weyers (Leibniz-Inst. für Höchstfrequenztechnik, Germany), A. J. Neves (Univ. de Aveiro, Portugal), E. Alves, K. Lorenz (Inst. Superior Técnico, Portugal), M. R. Correia, T. Monteiro, and N. Ben Sedrine (i3N & Univ. de Aveiro & Castros S.A., Portugal)

[H56-3] 11:50-12:05

Thermally Stable Vertical μ LED Patch for Facilitating Hair Growth

Jae Hee Lee and Keon Jae Lee (KAIST, Korea)

[H56-4] 12:05-12:20

First-Principles Analysis of Vacancies on GaN m Plane

Purun-hanul Kim (Seoul Nat'l Univ., Korea), Sang Ho Jeon (Samsung Display Co., Ltd., Korea), Seungwu Han (Seoul Nat'l Univ., Korea), and Youngho Kang (Incheon Nat'l Univ., Korea)

[H56-5] 12:20-12:35

Investigation of Size-Dependent Leakage Current and Efficiency of GaN-Based Micro Light-Emitting Diodes and Its Display Application

Jinwoo Park, Youngwook Shin, Byeongwoo Bak, and Jaekyun Kim (Hanyang Univ., Korea)