

[WeB2] Visible LEDs

Session Date	July 15 (Wed.), 2026
Session Time	13:30–15:15
Session Room	Room B (Baekrok Hall B, 1F)
Session Chairs	Prof. Christophe Durand (University Grenoble Alpes, CEA, France), Prof. Qian Sun (Chinese Academy of Sciences, China)

[WeB2-1] [Invited]

13:30–14:00

3D MOVPE Enabling Lateral Integration of InGaN-Based RGB Micro-LEDs

Mitsuru Funato and Yoshinobu Matsuda, Kyoto University, Japan

[WeB2-2]

14:00–14:15

Vertical GaN-on-Si LEDs on Conducting TiAlN/TiN Buffer Layers

Armin Dadgar, Fabian Grossmann, Emine Kaynar, Christoph Berger, Jürgen Bläsing, and André Strittmatter, Otto-von-Guericke-Universität Magdeburg, Germany

[WeB2-3]

14:15–14:30

From Relaxed InGaN Pseudo-Substrate to Red Emitting Quantum Wells (QWs)

H. Damen¹, D. P. Fowan³, M. Nemoz³, S. Vézian³, B. Damilano³, A. Trassoudaine², and A. Dussaigne¹,
¹Université Grenoble Alpes, France, ²Université Clermont Auvergne, France, ³Université Côte d'Azur, France

[WeB2-4]

14:30–14:45

Enhanced Light Output in Nanorod Micro-LEDs through Optical Feedback and Structural Engineering

Min-Seok Lee¹, Sung-Un Kim¹, Jeong-Kyun Oh¹, Geon-Yeong Kim¹, Dae-Young Um², Cheul-Ro Lee¹, and Yong-Ho Ra¹, ¹Jeonbuk National University, Korea, ²Kumoh National Institute of Technology, Korea

[WeB2-5]

14:45-15:00

Modeling of Efficient Dual-Wavelength Blue-Green InGaN LEDs

Hao Lee¹, You-Jia Chen², Huai-Chin Huang¹, Li-Sheng Hu², Hsing-Ting Hung³, Chuang-Yu Hsieh³, Tien-Chang Lu², Chia-Yen Huang², and Yuh-Renn Wu¹, ¹National Taiwan University, Taiwan, ²National Yang Ming Chiao Tung University, Taiwan, ³Advanced Optoelectronic Technology Inc., Taiwan

[WeB2-6]

15:00-15:15

Impact of V-Defect Geometry and Random Alloy Fluctuations in Cylindrical Simulations of Low-Bias Leakage in Red InGaN LEDs

Pei-Shan Hsieh and Yuh-Renn Wu, National Taiwan University, Taiwan