



ICMOVPE

XXII July 12–17, 2026
ICC JEJU, Jeju Island, Korea

Session Title:	[FrA1] Nanowires
Session Date:	July 17 (Fri.), 2026
Session Time:	10:20–12:05
Session Room:	Room A (Baekrok Hall B-1, 1F)
Session Chairs	

[FrA1-1] [Invited] 10:20–10:50

Growth of Core–Shell Microwire UV Emitters: From UV–A Toward UV–C

Houssein Mohaidly, Lucie Valéra, Vincent Grenier, Lucas Jaloustre, Saron R.S. De Mello, C. Petit–Etienne, E. Pargon, Gwénolé Jacopin, and Christophe Durand, Université Grenoble Alpes, France

[FrA1-2] 10:50–11:05

Facile Electrochemically Driven Defect Passivation of MOCVD–Grown GaN Nanowires Toward Durable and High–Performance Photoelectrodes

Fawad Tariq and Sang–Wan Ryu, Chonnam National University, Korea

[FrA1-3] 11:05–11:20

Interface Engineering of MOVPE–Grown GaN Nanowire Photoanodes with FeOOH/NiO Layers for Durable Alkaline Water Oxidation

Khaled Abdelkarem and Sang–Wan Ryu, Chonnam National University, Korea

[FrA1-4] 11:20–11:35

Tailoring Cu–Pd Nanoclusters on GaN Nanowires for Efficient CO₂–to–C₂H₄ Photoelectrochemical Conversion

Sneha S Lavate, In–Seo Na, Jeong–Kyun Oh, Sung–Un Kim, Min–Seok Lee, and Yong–Ho Ra, Jeonbuk National University, Korea

[FrA1-5] 11:35–11:50

Interfacial Engineering of Ni(OH)₂ Decorated GaN Nanorods for Enhanced Photoelectrochemical Formate Production.

Shivraj Mahadik, Jeong–Kyun Oh, Sung–Un Kim, Min–Seok Lee, Hussain Musharrof, and Yong–Ho Ra, Jeonbuk National University, Korea

[FrA1-6] 11:50–12:05

Selective–Area Growth of Vertical InP Nanowires on Si(111) Substrate

Yuki Azuma¹, Keita Taniyama¹, Wei Wen Wong², Junichi Motohisa¹, Hark Hoe Tan², and Katsuhiko Tomioka¹, ¹ Hokkaido University, Japan, ² The Australian National University, Australia