ICMOVPE XXII
July 12-17, 2026
ICC JEJU, Jeju Island, Korea

Session Title:	**[FrB1] Emerging Nitrides**
Session Date:	**July 17 (Fri.), 2026**
Session Time:	**10:20-12:05**
Session Room:	**Room B (Baekrok Hall B-2, 1F)**
Session Chairs	

[FrB1-1] [Invited] **10:20-10:50**

MOCVD of Novel Nitrides for Sustainable Electronics – AlScN and AlYN

Isabel Streicher[1], Stefano Leone[2], Huili Grace Xing[1], Debdeep Jena[1], and Hari Nair[1], [1] Cornell University, USA, [2] Fraunhofer Institute of Applied Solid State Physics IAF, Germany

[FrB1-2] **10:50-11:05**

Growth and Structural Characterization of AlYN/GaN/Sapphire by Metalorganic Chemical-Vapor Deposition

Shun Narita, Yudai Shimizu, Daisuke Iida, Keitaro Ikejiri, and Kazutada Ikenaga, Taiyo Nippon Sanso Corporation, Japan

[FrB1-3] **11:05-11:20**

Evaluation of Vertical BGaN Neutron Detectors Using Free-Standing GaN Substrate for Neutron Imaging

S. Takenaka[1], R. Kudo[1], K. Ando[1], Y. Maeda[1], E. Kokubo[2], K. Takagi[1], T. Oda[3], M. Hino[4], Y. Honda[2], H. Amano[2], Y. Inoue[1], T. Aoki[1], and T. Nakano[1], [1] Shizuoka University, Japan, [2] Nagoya University, Japan, [3] The University of Tokyo, Japan, [4] Kyoto University, Japan

[FrB1-4] **11:20-11:35**

Thickness Dependence of Structural and Radiation Detection Characteristics of BGaN Neutron Detectors for In-Core Nuclear Instrumentation

R. Kudo[1], E. Kokubo[2], K. Takagi[1], Y. Sakurai[3], H. Yashima[3], T. Makino[4], T. Ohshima[4], Y. Honda[2], H. Amano[2], Y. Inoue[1], T. Aoki[1,3], and T. Nakano[1,3], [1] Shizuoka University, Japan, [2] Nagoya University, Japan, [3] Kyoto University, Japan, [4] National Institutes for Quantum Science and Technology, Japan

[FrB1-5] **11:35-11:50**

Fabrication and Evaluation of BAlGaN Neutron Detector Designed for Operation in Harsh Environments

Ryusuke Suzuki[1], Ryohei Kudo[1], Toru Oikawa[1], Hinata Nakanishi[1], Eito Kokubo[2], Genichiro Wakabayashi[3], Yoshio Honda[2], Hiroshi Amano[2], Yoku Inoue[1], Toru Aoki[1], and Takayuki Nakano[1], [1] Shizuoka University, Japan, [2] Nagoya University, Japan, [3] Kindai University, Japan

[FrB1-6] **11:50-12:05**

Thickness-Dependent Compensation in Polarization-Doped Graded AlGaN Grown by MOVPE

Abhishek Chatterjee[1], Z. S. Pehlivan[1], M. Frentrup[1], B. Harding[1], G. Kusch[1], M. J. Kappers[1], D. J. Wallis[1,2], and R. A. Oliver[1], [1] University of Cambridge, United Kingdom, [2] Cardiff University, United Kingdom