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

Session Title:	**[MoB3] Optical Characterization**
Session Date:	**July 13 (Mon.), 2026**
Session Time:	**16:05-17:50**
Session Room:	**Room B (Baekrok Hall B-2, 1F)**
Session Chairs	

[MoB3-1] [Invited] **16:05-16:35**

Optical In-Situ Metrology and MOVPE: Versatile Toolbox for Laser Device Growth

A. Maaβdorf, M. Brendel, S. Breuer, and M. Weyers, Ferdinand-Braun-Institut, Germnay

[MoB3-2] **16:35-16:50**

Composition-Dependent Raman Anisotropy in MOVPE-Grown Non-Polar (11-20) $Al_xGa_{1-x}N$

A Azizur Rahman[1], Eeshika Suresh[1,2], Maheshwar Gokhale[1], Amit P Shah[1], Kailash Rustagi[1], and Arnab Bhattacharya[1], [1] Tata Institute of Fundamental Research, India, [2] Amrita Vishwa Vidyapeetham, India

[MoB3-3] **16:50-17:05**

Optical Response and Anisotropy in MOVPE-Grown Non-Polar $Al_xGa_{1-x}N$: Insights from Mueller Matrix Ellipsometry

A Azizur Rahman[1], Sanchali Datta[1,2], Maheshwar Gokhale[1], Amit P Shah[1], and Arnab Bhattacharya[1], [1] Tata Institute of Fundamental Research, India, [2] Tripura University, India

[MoB3-4] **17:05-17:20**

Design and Evaluation of Hexagonal Silicon Germanium Multi Quantum Wells for Lasing

M.M. Jansen-Zilles, R. Farina, R.S. Tiemeijer, W.H.J. Peeters, M.F. Schouten, V.T. van Lange, M.A. Verheijen, J.E.M. Haverkort, and E.P.A.M. Bakkers, Eindhoven University of Technology, Netherlands

[MoB3-5] **17:20-17:35**

Temperature- and Wavelength-Dependent Photoluminescence Lifetimes in InGaN Quantum Wells with Varying Indium Compositions

Ririka Yamagata[1], Soma Hatanaka[1], Soya Yamagishi[1], Itsuki Shimbo[1], Atsushi A. Yamaguchi[1], Kazunori Iwamitsu[2], and Shigetaka Tomiya[2], [1] Kanazawa Institute of Technology, Japan, [2] Nara Institute of Science and Technology, Japan

[MoB3-6] **17:35-17:50**

Functional-Form Analysis of Photoluminescence Decay in InGaN Quantum Wells

Arata Suzaki[1], Ririka Yamagata[1], Itsuki Shimbo[1], Atsushi A. Yamaguchi[1], Daisuke Iida[2], and Kazuhiro Ohkawa[2], [1] Kanazawa Institute of Technology, Japan, [2] King Abdullah University of Science and Technology, Saudi Arabia