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

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| **Session Title:** | **[MoA3] Arsenides** |
| **Session Date:** | **July 13 (Mon.), 2026** |
| **Session Time:** | **16:05-18:05** |
| **Session Room:** | **Room A (Baekrok Hall B-1, 1F)** |
| **Session Chairs** | |

**[MoA3-1] [Invited]** **16:05-16:35**

**An Old Technology Which Still Surprises. III-Vs MOVPE, Precursors, Surface Processes and a Lot of Zinc and Oxygen**

Emanuele Pelucchi[1], Camille Barbier[1], Agnieszka Gocalinska[1], Pawel P. Michalowski[2], John O'Hara[1], Luca Colavecchi[1], Gediminas Juska[1], Adrianna Rejmer[2], and Ayse Ozcan-Atar[1], [1] Tyndall National Institute, University College Cork, Ireland, [2] Lukasiewicz Research Network, Poland

**[MoA3-2]** **16:35-16:50**

**Accurate Prediction of Intersubband Transitions in MOVPE-Grown III-V Asymmetric Coupled Quantum Wells**

K. Pantzas[1], V. Trinité[2], A. Vasanelli[3], C. Sirtori[3], G. Beaudoin[1], J. L. Reverchon[2], G. Patriarche[1], and I. Sagnes[1], [1] Université Paris-Saclay, France, [2] III-V Lab, France, [3] Laboratoire de physique de L'École normale supérieure de Paris, France

**[MoA3-3]** **16:50-17:05**

**MOVPE-Grown C-Band Emitting InAs Quantum Dots on a Ge-Buffered Si (001) Substrate**

P. Vijayan, M. Jetter, and P. Michler, Universität Stuttgart, Germany

**[MoA3-4]** **17:05-17:20**

**Development of AlAsP/GaAs Microcavities with Narrow Linewidth InGaAs QWs**

N. J. Bailey, P. M. Walker, S. Lovett, L. Eaton, D. N. Krizhanovskii, and J. Heffernan, University of Sheffield, United Kingdom

**[MoA3-5]** **17:20-17:35**

**III–V/Germanium Photovoltaic Cells via MOVPE: Applications in Thermophotovoltaics and Laser Power Converters**

I. Rey-Stolle, Pablo Martín, Aitana Cano, Rubén Fortín, Romain Foucher, Lidia Escanciano, and Iván García, Universidad Politécnica de Madrid, Spain

**[MoA3-6]** **17:35-17:50**

**MOVPE Growth and Characterization of GaAs-Based PIN Diodes for RF Applications**

Simeon N. Vladimirov, Lidia Escanciano, Iván García, and Ignacio Rey-Stolle, Universidad Politécnica de Madrid, Spain

**[MoA3-7]** **17:50-18:05**

**Sculpturing Potential of Bound State in the Continuum Exciton-Polariton Condensates based on MOCVD-Grown Multi Quantum Well**

Jaewon Kim[1], Daegwang Choi[2], Hyungyu Song[1], and Yong-Hoon Cho[1], [1] Korea Advanced Institute of Science and Technology, Korea, [2] Gachon University, Korea