

[MoA3] Arsenides

Session Date	July 13 (Mon.), 2026
Session Time	16:05–18:05
Session Room	Room A (Baekrok Hall A, 1F)
Session Chairs	Dr. Jean Decobert (III–V Lab, France), Dr. David Lackner (Fraunhofer Institut für Solare Energiesysteme ISE, Germany)

[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 Pelucchi¹, Camille Barbier¹, Agnieszka Gocalinska¹, Pawel P. Michalowski², John O'Hara¹, Luca Colavecchi¹, Gediminas Juska¹, Adrianna Rejmer², and Ayse Ozcan-Atar¹, ¹Tyndall National Institute, University College Cork, Ireland, ²Lukasiewicz Research Network, Poland

[MoA3–2]

16:35–16:50

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

K. Pantzas¹, V. Trinité², A. Vasanelli³, C. Sirtori³, G. Beaudoin¹, J. L. Reverchon², G. Patriarche¹, and I. Sagnes¹, ¹Université Paris–Saclay, France, ²III–V Lab, France, ³Laboratoire 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

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 Kim¹, Daegwang Choi², Hyungyu Song¹, and Yong-Hoon Cho¹, ¹Korea Advanced Institute of Science and Technology, Korea, ²Gachon University, Korea