



Session Title:	[TuA2] Low-Dimensional Materials
Session Date:	July 14 (Tue.), 2026
Session Time:	10:35-12:20
Session Room:	Room A (Baekrok Hall B-1, 1F)
Session Chairs	

[TuA2-1] [Invited] 10:35-11:05

Telecom C-Band InAs Quantum Dots on GaAs for Quantum Technological Application

Michael Jetter, Ponraj Vijayan, Stephanie Bauer, Robert Sittig, Raphael Joos, Nam Tran, Cornelius Nawrath, Sascha Kolatschek, Simone Luca Portalupi, and Peter Michler, University of Stuttgart, Germany

[TuA2-2] 11:05-11:20

Interlayer-Free Self-Assembled Growth of GaN Nanorods on Si Substrate for White Light-Emitting Diode

Ameer Abdullah¹, Jeong Ho¹, Sang-Wan Ryu², and Yong Hoon Cho¹, ¹ Korea Advanced Institute of Science and Technology, Korea, ² Chonnam National University, Korea

[TuA2-3] 11:20-11:35

Exploring the MOVPE Growth of Droplet Epitaxy InAs/InP Quantum Dots for Quantum Photonic Applications

Elisa M. Sala¹, Young In Na¹, Raja S.R. Gajjela², Edoardo G. Banfi², Guoliang Zhou¹, Paul M. Koenraad², and Jon Heffernan¹, ¹ The University of Sheffield, United Kingdom, ² Eindhoven University of Technology, The Netherlands

[TuA2-4] 11:35-11:50

Growth of InGaAs Quantum Dots on GaAs with Emission at C-Band Wavelengths

Juwana Jose, David Nguyen, Christoph Berger, Jürgen Blasing, Armin Dadgar, and André Strittmatter, Otto von Guericke University, Germany

[TuA2-5] 11:50-12:05

Robust GaAs/SiO₂/Si Wafer-Bonded Templates for Monolithic Telecom C-Band InAs Quantum Dot Single-Photon Sources on Silicon

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

[TuA2-6] 12:05-12:20

MOVPE of Ga(Sb,Bi)/GaSb Heterostructures on GaSb Nano-Ridges

Marcel Kröner¹, Michiel de Maeyer^{2,3}, Johannes Faust¹, Andreas Beyer¹, Bernardette Kunert², and Kerstin Volz¹, ¹ Philipps-Universität Marburg, Germany, ² imec, Belgium, ³ Ghent University, Belgium