

Jung Soo Lee, Ph.D., M.B.A.

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INTRODUCTION

5 years of industry experience in semiconductor business with Ph.D. in applied science, M.S. in mechanical engineering, and M.B.A. Good communicator and excellent learner & adapter with high work ethics. Expertise in all types of Thin-film metrology · Process development · Tool maintenance & matching · AI driven data analysis. Recently, active customer support on Advanced packaging tools including ENEPIG, Fluxless reflow, and vertical furnace, i.e. yield monitoring with responsive technical support.

EXPERIENCE

Yield Engineering Systems, Inc. (YES) Chandler, AZ

Process Engineer - Key Account Technologist

Dec. 2025 – Current

- Technologist for **surface finishing and reflow tools**: fluxless Reflow, vertical furnace, and ENEPIG
- Customer support on yield monitoring with responsive technical support

ASM America, Inc. Phoenix, AZ

Sr. Process Engineer - R&D

Apr. 2024 – Oct. 2025

- Leading PE for BEOL integration of Molybdenum ALD film applied to **3D-DRAM wordline metalization**
- Leading PE for developing **in-situ laser sensor** for Molybdenum dose analyzer
- Leading PE for matching processes of decades of on-site and demo equipment
- Equipment maintenance: **monitoring performance through wafer defect measurement**

Sr. Process Engineer - Metrology

May. 2022 – Apr. 2024

- Owner of transmission electron microscopy
- **Internal and external customer care focusing on their critical interests**
- Material STEM analysis: S/TEM, EDS, EELS, 4-D STEM, strain analysis, image analysis
- Active collaboration with internal customers: paper publication for low-temp selective epitaxy development

INanoBio, Inc. Scottsdale, AZ

Postdoctoral Researcher at a start-up

Apr. 2021 – Apr. 2022

- Thin film deposition on next-gen DNA sequencing device using CVD and ALD
- Device failure analysis using S/TEM and FIB/SEM dual beam using ASU facility

EDUCATION

Quantic School of Business & Technology Washington, D.C.

Master of Business Administration, online class of 2024, Score: 91%

Apr. 2023 – Aug. 2024

- Continuing study of MBA according to the new trend of tech business

Southern Methodist University Dallas, TX

Ph.D. in Applied Science, GPA: 3.96/4.0

May. 2018 – Jan. 2021

- Engineering core: thin film engineering; microfluidics; nanofabrication

Southern Methodist University Dallas, TX

M.Sc. in Mechanical Engineering, GPA: 3.425/4.0

Aug. 2016 – May. 2018

- Engineering core: fluid dynamics, nanofabrication

LICENSES & CERTIFICATIONS

Arizona State University - Coursera Online

Semiconductor & Advanced Packaging Professional Certificates

2025 – 2026

- Advanced Semiconductor Packaging
- Semiconductor Packaging Manufacturing
- Introduction to Semiconductor Packaging
- Fundamentals of Semiconductor Characterization
- Electrical Characterization: Diodes
- Primary and Secondary Batteries

KAIST - Coursera Online

Introduction to Semiconductor Process 1, 2

Nov. 2025

- Semiconductor process fundamentals including deposition and fabrication flow