



## **Dr. Jihye Seo**

(Korea Electronics Technology Institute (KETI),  
Korea)



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Dr. Jihye Seo is currently a Principal Researcher at the Korea Electronics Technology Institute (KETI), where she conducts research on AI-based intelligent semiconductor process and equipment technologies. From 2017 to 2025, she worked at Samsung Electronics, focusing on semiconductor process equipment diagnostics, equipment intelligence, and AI-based metrology technologies. She received her B.S. in 2010, M.S. in 2012, and Ph.D. in 2017, all from Pohang University of Science and Technology (POSTECH).