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Dr. Yonghwi Kwon is currently a Senior R&D Engineer in Synopsys, Sunnyvale, CA, where he works on machine learning-based mask optimization and lithography modeling techniques. He received his B.S. and Ph.D. in School of Electrical Engineering from Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea, in 2018 and 2023, respectively. He is recipient of 2022 SPIE Nick Cobb Memorial Scholarship, 2021 IEEE TSM Best Paper Award, and 2022 IEEE TSM Best Paper Honorable Mention Award.