Korean International Semiconductor Conference & Exhibition
on Manufacturing Technology 2025

KISM 2025 BUSAN

Re:Innovation of Semiconductor Manufacturing for AI Ecosystem

[ThF1] Carbon Neutrality in Semiconductor Industry I

Session Date	November 13 (Thu.), 2025
Session Time	09:00-10:35
Session Room	Room F (Panorama Room, 16F)
Session Chair	Prof. Hongsik Jeong (UNIST, Korea)

[ThF1-1] [Plenary] **09:00-09:45**

Advances in Etching Technologies for Next Generation Semiconductor Manufacturing towards Sustainable Development Goals

Shih-Nan Hsiao (Nagoya Univ., Japan)

[ThF1-2] [Invited] **09:45-10:10**

Estimating GWP based on a Comprehensive Analysis of R134a: A Method for Accurate Monitoring of Greenhouse Gas Emissions

Dongkyum Kim, Sang Woo Kim, Miyeon Park, and Jeongsoon Lee (KRISS, Korea)

[ThF1-3] [Invited] **10:10-10:35**

Development of NF_3 Alternative Gas for Global Warming Potential Reduction

Wontae Noh, Woongbin Yim, Soo Namgoong, Sukhyun Hong, Sung Ryong Moon, Sangmin Lee, and Young Chul Choi (Wonik IPS, Korea)