



<b>Session Title:</b>	<b>[WeB2] Carbon Neutrality in Semiconductor Industry I</b>
<b>Session Date:</b>	<b>November 13 (Wed.), 2024</b>
<b>Session Time:</b>	<b>14:10-15:45</b>
<b>Session Room:</b>	<b>Room B (Grand Ballroom 1, 2F, Paradise Hotel Busan)</b>
<b>Session Chair:</b>	<b>Prof. Hankwon Lim (UNIST, Korea)</b>

**[WeB2-1] [Invited] 14:10-14:40**

**Research on Carbon Neutrality Efforts and Product Life Cycle Assessment (LCA) in the Semiconductor Industry**

Hyukhwa Kwon and Kyujin Choi (SK hynix Inc., Korea)

**[WeB2-2] [Invited] 14:40-15:05**

**Fluorinated Ethers as Low-GWP Solutions for Plasma Etching of SiO<sub>2</sub>**

Sanghyun You and Chang-Koo Kim (Ajou Univ., Korea)

**[WeB2-3] 15:05-15:25**

**Application of Life Cycle Assessment (LCA) to Chemical Processes**

Wangyun Won (Korea Univ., Korea)

**[WeB2-4] 15:25-15:45**

**Advanced Optimal Control Strategies for Sustainable Green Chemical Vapor Deposition in Semiconductor Industry**

Tae Hoon Oh (UNIST, Korea)