



제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

2022년 1월 24일(월)~ 26일(수) | 강원도 하이원 그랜드호텔(컨벤션타워)

2022년 1월 26일(수), 10:45-12:30

Room A (에메랄드 1, 5층)

D. Thin Film Process Technology 분과 [WA2-D] Thin Film Process - Metallic Films

좌장: 한정환 교수(서울과학기술대학교), 최병준 교수(서울과학기술대학교)

<p>WA2-D-1 10:45-11:15</p>	<p>Atomic Layer Deposition Processes Using Newly Synthesized Precursors with Reactivity Enhanced Ligands Taeyong Eom <i>Thin Film Materials Research Center, KRICT</i></p>
<p>WA2-D-2 11:15-11:30</p>	<p>Ultra-Low Resistivity Mo₂C Thin Films Deposited by Plasma-Enhanced Atomic Layer Deposition Using A Novel Precursor Min-Ji Ha, Jeong-Hun Choi, and Ji-Hoon Ahn <i>Department of Materials Science and Chemical Engineering, Hanyang University</i></p>
<p>WA2-D-3 11:30-11:45</p>	<p>Fabrication of Multicomponent RuAlO_x Thin Films through Atomic Layer Modulation Ngoc Le Trinh¹, Chi Thang Nguyen¹, Bonwook Gu¹, Byungchan Lee¹, Mingyu Lee¹, Sehee Kim², Bonggeun Shong², and Han-Bo-Ram Lee¹ ¹<i>Department of Materials Science and Engineering, Incheon National University,</i> ²<i>Department of Chemical Engineering, Hongik University</i></p>
<p>WA2-D-4 11:45-12:00</p>	<p>Atomic Layer Deposition of Low-resistivity Molybdenum Nitride Using Two Types of F-free Mo Precursors and NH₃ Plasma Wangu Kang, Ji Sang Ahn, and Jeong Hwan Han <i>Department of Materials Science and Engineering, Seoul National University of Science and Technology</i></p>
<p>WA2-D-5 12:00-12:15</p>	<p>Highly Conductive, Dense, and Cl-free TiN_x Thin Film as a Cu Diffusion Barrier by Hollow Cathode Plasma Atomic Layer Deposition Ha Young Lee, Min Gyoo Cho, Jae Hee Go, Jeong Hwan Han, and Byung Joon Choi <i>Department of Materials Science and Engineering, Seoul National University of Science and Technology</i></p>
<p>WA2-D-6 12:15-12:30</p>	<p>Self-ionized Sputtering Technology of BEOL Metallization Byeong-Hwa_Jeong^{1,3}, Yukata-Kokaze³, Sang-Ho_Lee³, and Geun-Young_Yeom^{1,2} ¹<i>School of Advanced Materials Science and Engineering, Sungkyunkwan University,</i> ²<i>SKKU Advanced Institute of Nano Technology (SAINT), Sungkyunkwan University,</i> ³<i>Korea Institute for Super Materials, ULVAC Korea, Ltd.</i></p>