

제20회 한국반도체학술대회

2013년 2월 4일(월)~6일(수) / 웰리힐리파크 (구, 성우리조트)

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A. Interconnect & Package 분과

Room G

국실 (본관, 5층)

2013년 2월 5일(화) 10:55-12:10

[TG2-A] 배선용 박막 증착 기술

좌장: 이원준(세종대학교), 이태윤(연세대학교)

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| TG2-A-1 | 10:55-11:10 | Atomic Layer Deposition of Ruthenium (Ru) Thin Films using a Novel Zero-Valent Ru Metallorganic Precursor as a Seed Layer for Copper Metallizations
Seungmin Yeo ¹ , Seung-Joon Lee ¹ , Taehoon Cheon ² , Jun-Young Kim ³ , Jung Woo Park ³ , and Soo-Hyun Kim ¹
¹ School of Materials Science and Engineering, Yeungnam University, ² Center for Core Research Facilities, Daegu Gyeongbuk Institute of Science & Technology, ³ Thin Film Material Team, Hansol Chemical Co., Ltd. |
| TG2-A-2 | 11:10-11:25 | Atomic Layer Deposition of Ruthenium-Oxide Thin Films by using Novel Zero-Valent Ru Metallorganic Precursors and Oxygen Molecules
Ji-Yoon Park ¹ , Seungmin Yeo ¹ , Soo-Hyun Kim ¹ , Taehoon Cheon ² , Mingyu Kim ³ , Hyungjun Kim ³ and Tae-Eun Hong ⁴
¹ School of Materials Science and Engineering, Yeungnam University, ² Center for Core Research Facilities, Daegu Gyeongbuk Institute of Science & Technology, ³ School of Electrical and Electronic Engineering, Yonsei University, ⁴ Busan Center, Korea Basic Science Institute |
| TG2-A-3 | 11:25-11:40 | Effect of Laser Energy on the Deposition of Patterned Tungsten (W) Thin Films using Laser Chemical Vapor Deposition (LCVD) at Atmospheric Pressure
Kyunghoon Jeong ¹ , Injae Byun ² , Dong-Gil Kim ² , Do-Soon Jung ² , and Jaegab Lee ¹
¹ School of Advanced Materials Engineering, Kookmin University, ² Charm Engineering Co. |
| TG2-A-4 | 11:40-11:55 | Controlled Growth of TiC and TiN Thin Film by Atomic Layer Deposition and Application to the Diffusion Barrier for Cu Metallization
Sang-Kyung Choi ¹ , Soo-Hyun Kim ¹ , and Taehoon Cheon ²
¹ School of Materials Science and Engineering, Yeungnam University, ² Center for Core Research Facilities, Daegu Gyeongbuk Institute of Science & Technology |