



# 제 32회 한국반도체학술대회

The 32nd Korean Conference on Semiconductors

2025년 2월 12일(수)-14일(금) | 강원도 하이원리조트

## Future Normal in Semiconductor

2025년 2월 13일(목), 09:00-10:45

Room D(에메랄드 I), 5층

### A. Interconnect & Package 분과

#### 004\_[TD1-A] Emerging Interconnect 1

좌장: 류제인 박사(한국전자기술연구원), 이은호 교수(성균관대학교)

<p>TD1-A-1 09:00-09:15</p>	<p><b>Frequency Dependency of Cu Flexible Interconnects in Cracking Behavior during Bending Fatigue</b>  Jun Hyeok Hyun<sup>1</sup>, Seongi Lee<sup>2</sup>, Sung-Jae Choi<sup>2</sup>, Young-Chang Joo<sup>1</sup>, and So-Yeon Lee<sup>2</sup>  <sup>1</sup>School of Material Science and Engineering, Kumoh National Institute of Technology, <sup>2</sup>Department of Materials Science &amp; Engineering, Seoul National University</p>
<p>TD1-A-2 09:15-09:30</p>	<p><b>열처리 온도에 따른 Ru/SiGe 계면에서의 반응을 통한 접촉저항 공정 평가</b>  정회윤<sup>1,4</sup>, 김성준<sup>2,4</sup>, 박준형<sup>1,4</sup>, 이태호<sup>4</sup>, 박인성<sup>3,4</sup>, 신왕철<sup>1,4</sup>, 박영욱<sup>1</sup>, 안진호<sup>1,2,4</sup>  <sup>1</sup>한양대학교 신소재공학과, <sup>2</sup>한양대학교 나노반도체공학과, <sup>3</sup>한양대학교 나노과학기술연구소, <sup>4</sup>Center for Hyperscale, Hyperfunction, Heterogeneous Integration Pioneering Semiconductor Technology</p>
<p>TD1-A-3 09:30-09:45</p>	<p><b>Influence of Oxygen/Carbon Ratio on Low-k SiCOH Films Deposited by PECVD Using a Novel C<sub>5</sub>H<sub>16</sub>OSi Precursor</b>  Sangwoo Lee<sup>1</sup>, Jaejin Hwang<sup>2</sup>, Joonbong Lee<sup>1</sup>, Hyunbin Chung<sup>1</sup>, Dae Haa Ryu<sup>1</sup>, Heeseo Yun<sup>1</sup>, In Gyu Choi<sup>3</sup>, Hyojun Jung<sup>3</sup>, Kwangwoo Lee<sup>3</sup>, Sanghak Yeo<sup>3</sup>, Sungwoo Lee<sup>3</sup>, Jaeyoung Yang<sup>3</sup>, Ho Jung Jeon<sup>4</sup>, You Seung Rim<sup>4</sup>, Jaekwang Lee<sup>2</sup>, and Taekjib Choi<sup>1</sup>  <sup>1</sup>Hybrid Materials Research Center and Department of Nanotechnology and Advanced Materials Engineering, Sejong University, <sup>2</sup>Department of Physics, Pusan National University, <sup>3</sup>Research and development laboratory, TES Co., Ltd., <sup>4</sup>Department of Semiconductor Systems Engineering and Convergence Engineering for Intelligent Drone, Sejong University</p>
<p>TD1-A-4 09:45-10:00</p>	<p><b>나노 초 그린 레이저 어닐링을 활용한 Contact/via 접촉 불량 해소</b>  정재중<sup>1</sup>, 박영근<sup>1</sup>, 김영준<sup>1</sup>, 김희태<sup>1</sup>, 김동빈<sup>1</sup>, 조희재<sup>2</sup>, 권수현<sup>2</sup>, 조병진<sup>1</sup>  <sup>1</sup>한국과학기술원 전기및전자공학부, <sup>2</sup>나노종합기술원 나노공정기술실</p>



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TD1-A-5 10:00-10:15	초미세 반도체 소자용 후면 전력 공급 기술(BSPDN) 특허 출원 동향 방기인, 인치복, 김희태 특허청 반도체심사추진단
초청 TD1-A-6 10:15-10:45	Atomic Layer Deposition of Platinum Group Metals for Next-Generation Interconnects Minsu Kim Kyonggi University