

제23회 한국반도체학술대회

2016년 2월 22일(월)-24일(수), 강원도 하이원리조트

A. Interconnect & Package 분과

Room A
태백 I (5층)

2016년 2월 24일(수) 10:00-11:40

[WA2-A] A3: Novel Interconnect and Packaging Technologies for Emerging Electronics

좌장 : 권오중(인천대학교), 조태제(삼성전자)

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| WA2-A-1 | 10:10-10:25 | Enhancing Fatigue Resistance of Screen-Printed Silver Nanocomposite Circuits for Stretchable Electronics
Kwang-Seok Kim ¹ , Dae Up Kim ¹ , and Seung-Boo Jung ²
<i>¹Convergence Components and Agricultural Machinery Application Group, Korea Institute of Industrial Technology, ²School of Advanced Materials Science and Engineering, Sungkyunkwan University</i> |
| WA2-A-2 | 10:25-10:40 | Stretchable Electronic Conductors of PEDOT:PSS Organogel for Stretchable Electronics
Yoo-Yong Lee, Ho-Young Kang, Seok Hyeon Gwon, Gwang Mook Choi, Seung-Min Lim, Jeong-Yun Sun, and Young-Chang Joo
<i>Department of Materials Science and Engineering, Seoul National University</i> |
| WA2-A-3 | 10:40-10:55 | Performance Enhancement for Ag Nanowire-Based Transparent Conductor Using TiO₂:Cs Sol-gel
Sunho Kim ¹ , Jun-gu Kang ¹ , Tae-yil Eom ² , and Hoo-Jeong Lee ^{1,2}
<i>¹School of Advanced Materials Science and Engineering, SungkyunKwan University, ²Sungkyunkwan Advanced Institute of Nano Technology, Sungkyunkwan University</i> |
| WA2-A-4 | 10:55-11:10 | Scaling Issues in Fatigue Behavior of Cu Interconnects on Flexible Substrate
Young-Joo Lee, Hae-A-Seul Shin, Han-Wool Yeon, Dae-Hyun Nam, Jung-Kwon Yang, and Young-Chang Joo
<i>Department of Materials Science and Engineering, Seoul National University</i> |
| WA2-A-5 | 11:10-11:25 | Fully-Packaged Ultrathin Si-based Flexible NAND Flash Memory
Do Hyun Kim, Hyeon Gyun Yoo, and Keon Jae Lee
<i>Department of Materials Science and Engineering, KAIST</i> |
| WA2-A-6 | 11:25-11:40 | Photoluminescence Characteristics After Phosphorous Implantation into Tensile Strained Ge-on-Si for CMOS-compatible Optical Lasers
Jiwoong Baek ^{1,2} , Bugeun Ki ^{1,2} , Chulwon Lee ³ , Yong-Hoon Cho ³ , Donguk Nam ⁴ , and Jungwoo Oh ^{1,2}
<i>¹School of Integrated Technology, Yonsei University, ²Yonsei Institute of Convergence Technology, ³Department of Physics, KI for the NanoCentury, KAIST, ⁴Silicon Photonics Research Laboratory, Inha</i> |

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