

제23회 한국반도체학술대회

2016년 2월 22일(월)-24일(수), 강원도 하이원리조트

F. Silicon and Group-IV Devices and Integration Technology 분과

Room G

봉래표+III(6층)

2016년 2월 24일(수) 10:10-11:40

[WG2-F] Si and Group-IV Photonics

좌장 : 조성재(가천대학교)

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| WG2-F-1 | 10:10-10:25 | Strained Ge Light Emitter on Ge-on-Dual Insulators for Improved Thermal Conduction and Optical Insulation
Youngmin Kim, Sungdae Woo, Daeik Kim, and Donguk Nam
<i>Department of Electronic Engineering, Inha University</i> |
| WG2-F-2 | 10:25-10:40 | Strained Ge MSM Nanowire Photodetectors
Sungdae Woo, Daeik Kim, Youngmin Kim, and Donguk Nam
<i>Department of Electronic Engineering, Inha University</i> |
| WG2-F-3 | 10:40-10:55 | Enhanced Photoluminescence of Phosphorus Doped Germanium with Phosphosilicate Glass
Chan-Hyuck Park ¹ , Han Pan ² , Kazumi Wada ² , and Donghwan Ahn ¹
¹ <i>School of Advanced Materials Engineering, Kookmin University,</i>
² <i>Department of Materials Engineering, University of Tokyo, Japan</i> |
| WG2-F-4 | 10:55-11:10 | Strain Orientation Dependence of Light Emission from Ge
Daeik Kim, Youngmin Kim, Sungdae Woo, and Donguk Nam
<i>Department of Electronic Engineering, Inha University</i> |
| WG2-F-5 | 11:10-11:25 | Germanium Microdisk with Lithographically-Tunable Strain
Donguk Nam
<i>Department of Electronic Engineering, Inha University</i> |
| WG2-F-6 | 11:25-11:40 | Ge-on-Si Microdisk Resonator with Enhanced Optical Confinement by SiN_x Stressor for Si Electronic and Photonic Integrated System
Xiaochi Chen ¹ , Seongjae Cho ² , James S. Harris ¹ , and Byung-Gook Park ³
¹ <i>Department of Electrical Engineering, Stanford University, USA,</i>
² <i>Department of Electronic Engineering, Gachon University,</i> ³ <i>Inter-University Semiconductor Research Center and Department of Electrical and Computer Engineering, Seoul National University</i> |