

제22회 한국반도체학술대회

2015년 2월 10일(화) - 12일(목), 인천 송도컨벤시아

G. Device & Process Modeling, Simulation and Reliability 분과

Room C
1F / 106호

2015년 2월 12일(목) 14:50-16:20

[TC3-G] RF and Terahertz Devices

좌장: 이정수 (포항공과대학교), 이재규 (삼성전자)

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| TC3-G-1 | 14:50-15:05 | Large-Signal Simulation of Plasma Instability in 2-Dimensional Electron Gas
Sung-Min Hong and Jae-Hyung Jang
School of Information and Communications, Gwangju Institute of Science and Technology |
| TC3-G-2 | 15:05-15:20 | Voltage-Dependent SPICE Modeling for Gate-Drain Overlap Capacitance in RF MOSFETs
Sangjun Lee and Seonghearn Lee
Department of Electronic Engineering, Hankuk University of Foreign Studies |
| TC3-G-3 | 15:20-15:35 | Physical Modeling and Analysis for Performance Enhancement of Terahertz Wave Detector based on Silicon Field-Effect Transistor
Kwan Sung Kim, Min Woo Ryu, Jeong Seop Lee, and Kyung Rok Kim
School of Electrical and Computer Engineering, UNIST |
| TC3-G-4 | 15:35-15:50 | Intrinsic Output Equivalent Circuit Modeling for RF MOSFETs
Seoyoung Hong and Seonghearn Lee
Department of Electronic Engineering, Hankuk University of Foreign Studies |
| TC3-G-5 | 15:50-16:05 | Amplification of Electromagnetic Waves in InAlN/AlN/GaN Grating Structures
Cho Hee Lee, Ji Hyun Hwang, Jae-Hyung Jang, and Sung-Min Hong
School of Information and Communications, Gwangju Institute of Science and Technology |
| TC3-G-6 | 16:05-16:20 | The DRC-based Check Tool for New ESD Failure Mechanism
Youngchul.Kim, Euiyoun.Hong, Dongsin.Kim, Hyunkwang.Jeong, Wanchul.Kong, Kihyun.Kim, and Sungbum.Park
Lib& DT team, Corporate Engineering, Magnachip Semiconductor |