



# 제 29회 한국반도체학술대회

The 29th Korean Conference on Semiconductors

2022년 1월 24일(월)~ 26일(수) | 강원도 하이원 그랜드호텔(컨벤션타워)

2022년 1월 26일(수), 10:45-12:30

Room I (하트 II, 6층)

## M. RF and Wireless Design 분과

### [WI2-M] RF Circuits and Wireless Systems II

좌장: 권익진 교수(아주대학교), 권구덕 교수(강원대학교)

<p><b>WI2-M-1</b> 10:45-11:15</p>	<p><b>Challenges and Trends on 5G NR Communication from RF Design Point</b> Young-Taek Lee <i>pSemi, A Murata Company</i></p>
<p><b>WI2-M-2</b> 11:15-11:45</p>	<p><b>Research Trend of Sensor Readout System in Mobile Devices</b> Seung-hoon Ko <i>Kwangwoon University</i></p>
<p><b>WI2-M-3</b> 11:45-12:00</p>	<p><b>A Dual-Band N-Path Balun-LNA for Advanced Cellular Applications</b> Donguk Shin and Kuduck Kwon <i>Department of Electronic Engineering, Kangwon National University</i></p>
<p><b>WI2-M-4</b> 12:00-12:15</p>	<p><b>다중 입력 구조를 이용한 저 면적 · 광대역 · 초 저잡음 증폭기 설계</b> Kyung Jin Lee and Kang Yoon Lee <i>Department of Electrical and Computer Engineering, Sungkyunkwan University</i></p>
<p><b>WI2-M-5</b> 12:15-12:30</p>	<p><b>A CMOS Optoelectronic Receiver for Indoor-Monitoring LiDAR Sensors</b> Hu Yu<sup>1,2</sup>, Ji-Eun Joo<sup>1,2</sup>, Myung-Jae Lee<sup>3</sup>, Ji-Hoon Kim<sup>1,2</sup>, and Sung Min Park<sup>1,2</sup> <sup>1</sup>Department of Electronic and Electrical Engineering, Ewha Womans University, <sup>2</sup>Graduate Program in Smart Factory, Ewha Womans University, <sup>3</sup>Post-Silicon Semiconductor Institute, KIST</p>