



## S. Chip Design Contest 분과

2019년 2월 14일(목), 09:00-10:15

Room I (매실, 5층)



## [T11-S] Selected Papers on Chip Design Contest

좌장: 김태욱 교수(연세대학교), 차혁규 교수(서울과학기술대학교)

<b>T11-S-1</b> <b>09:00-09:15</b>	<b>A 38 mV DC-DC Boost Converter with <math>V_{IN}</math>-Dependent MPPT Technique and ZCS Circuit for Thermoelectric Energy Harvesting Devices</b> Seneke Chamith Chandrarathna, Chang-Hyung Choi, Jun-Hyeong Kwon, and Jong-Wook Lee <i>Department of Electronics Engineering, Kyung Hee University</i>
<b>T11-S-2</b> <b>09:15-09:30</b>	<b>다중-위상 선택 주입을 이용한 Fractional-N 주파수합성기</b> 윤준섭, 이창준, 김종선 <i>Department of Electrical Engineering, Hongik University</i>
<b>T11-S-3</b> <b>09:30-09:45</b>	<b>65 nm CMOS 기반의 231 GHz 주입 고정 발진기 설계</b> Sooyeon Kim <sup>1</sup> , Daekeun Yoon <sup>2</sup> , Jungsoo Kim <sup>1</sup> , Kiryong Song <sup>1</sup> , Junghwan Yoo <sup>1</sup> , and Jae-Sung Rieh <sup>1</sup> <i><sup>1</sup>Department of Electronic Engineering, Korea University, <sup>2</sup>International College of Semiconductor and Tech., National Chiao Tung University, Taiwan</i>
<b>T11-S-4</b> <b>09:45-10:00</b>	<b>CMOS Doppler Motion Sensor without Splitter</b> Young Gi Kim, Jin Woo Lee, In Hyung Jung, Yung Jun Kwak, and Mi Lae Park <i>Department of Information and Communication Engineering, Anyang University</i>
<b>T11-S-5</b> <b>10:00-10:15</b>	<b>Demonstration of Real-Time Terahertz Imaging based on Asymmetric FET Integrated with Patch Antenna in 65-nm CMOS Technology</b> E-san Jang, Min Woo Ryu, Sang Hyo Ahn, Hyung Ju Jeon, and Kyung Rok Kim <i>Department of Electrical Engineering, UNIST</i>