

2016 IEEE MTT-S Latin America Microwave Conference (LAMC 2016)  
Puerto Vallarta, Mexico, Dec. 12-14, 2016

Regular Sessions

**RS-5: RF Integrated Circuits (Tu-4A)**

Day: Tuesday, December 13  
Room: Violeta/Tulipan  
Time: 11:10–12:50

Chair: Ignacio Llamas-Garro (Centre Tecnològic de Telecomunicacions de Catalunya (CTTC), Castelldefels, Spain)

Co-Chair: Afreen Azhari (Osaka University, Osaka, Japan)

Time	ID	Paper#	Title / Authors / Affiliations
11:10 to 11:30	Tu-4A-1	114	<b>90 Gbit/s 4-level Pulse-Amplitude-Modulation Vertical-Cavity Surface-Emitting Laser Driver Integrated Circuit in 130 nm SiGe Technology</b> G. Belfiore, R. Henker, F. Ellinger Technische Universität Dresden, Dresden, Germany
11:30 to 11:50	Tu-4A-2	135	<b>A Direct RF Sampling Receiver Using Continuous-Time Band-Pass Sigma-Delta ADC with Active Inductor in CMOS</b> R. Kostack <sup>1,2</sup> , A. Naeini <sup>1</sup> , H. Stockinger <sup>1</sup> , A. Brönnner <sup>2</sup> , F. Ellinger <sup>2</sup> <sup>1</sup> Intel Deutschland GmbH, Neubiberg, Germany, <sup>2</sup> Technische Universität Dresden, Dresden, Germany
11:50 to 12:10	Tu-4A-3	136	<b>Active CMOS Differential Filter with +3.5 dBm IP1dB and +12.3 dBm IIP3</b> A. Arbelaez <sup>1</sup> , A. Corona <sup>1</sup> , J. L. Olvera <sup>1</sup> , C. Saavedra <sup>2</sup> <sup>1</sup> INAOE, San Andres Cholula, Mexico, <sup>2</sup> Queen's University, Kingston, Canada
12:10 to 12:30	Tu-4A-4	155	<b>A Tunable 70 MHz IF Filter with 70 ns Settling Time in 130 nm CMOS for Wake-up Radios</b> M. Khafaji, C. Tzschoppe, G. Tretter, P. Testa, F. Ellinger TU Dresden, Dresden, Germany
12:30 to 12:50	Tu-4A-5	167	<b>Design and Physical Implementation of an Analog Receiver for a 2.5 Gbps SerDes</b> E. Conde Almada, E. Juarez Hernandez, E. Martinez-Guerrero ITESO – The Jesuit University of Guadalajara, Tlaquepaque, Mexico