

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

Regular Sessions

RS-1: Optimization and Surrogate Modeling (Mo-4A)

Day: Monday, December 12
Room: Violeta/Tulipan
Time: 11:15–12:55

Chair: John W. Bandler (McMaster University and Bandler Corporation)

Co-Chair: Zabdiel Brito-Brito (ITESO – The Jesuit University of Guadalajara)

Time	ID	Paper#	Title / Authors / Affiliations
11:15 to 11:35	Mo-4A-1	122	Eye Diagram Optimization based on Design of Experiments (DoE) to Accelerate Industrial Testing of High Speed Links A. Viveros-Wacher ^{1,2} , J. E. Rayas-Sanchez ¹ ¹ ITESO – The Jesuit University of Guadalajara, Tlaquepaque, Mexico ² Intel Corp., Zapopan, Mexico
11:35 to 11:55	Mo-4A-2	144	A Holistic Methodology for System Margining and Jitter Tolerance Optimization in Post-Silicon Validation F. E. Rangel-Patiño ^{2,1} , A. Viveros-Wacher ^{2,1} , J. E. Rayas-Sánchez ¹ , E. A. Vega-Ochoa ² , I. Duron-Rosales ² , N. Hakim ³ ¹ ITESO, Tlaquepaque, Mexico, ² Intel, Zapopan, Mexico, ³ Intel, Santa Clara, United States
11:55 to 12:15	Mo-4A-3	160	Multiphysics Polynomial-Based Surrogate Modeling of Microwave Structures in Frequency Domain J. L. Chavez-Hurtado, J. E. Rayas-Sanchez, Z. Brito-Brito ITESO - The Jesuit University of Guadalajara, Tlaquepaque, Mexico
12:15 to 12:35	Mo-4A-4	152	Recent Advances in EM Modeling and Optimization Exploiting Parallel Computations V. Gongal Reddy ¹ , C. Zhang ¹ , F. Feng ^{2,1} , Q. Zhang ¹ ¹ Carleton University, Ottawa, Canada, ² Tianjin University, Nankai, China
12:35 to 12:55	Mo-4A-5	156	An Overview of Neuro-Space Mapping Techniques for Microwave Device Modeling W. Liu ¹ , L. Zhu ³ , W. Na ^{1,2} , Q. Zhang ^{2,1} ¹ Tianjin University, Tianjin, China, ² Carleton University, Ottawa, Canada, ³ Tianjin Chengjian University, Tianjin, Canada