

Last Minute Program Updates

Due to travel uncertainties and last-minute opportunities to attend in person, several presenters that were initially scheduled to participate in the virtual program will be in attendance in Austin. To accommodate in-person presentations in these situations, we have added three “We Reached Austin” sessions. Papers presented in the We Reached Austin session will also be presented in the virtual sessions in which they were originally scheduled. Since the conference proceedings was released for production before these changes were made, the papers in the We Reached Austin sessions are indexed in the virtual sessions in which they are also scheduled.

Paper ID	Title Authors	We Reached Austin 1 Monday May 30		Virtual
		Session	Paper #	
2238	An Always-on tinyML Acoustic Classifier for Ecological Applications Hemanth R Sabbella, Abhishek Nair, Vishnu Gumme, Satyapreet Singh Yadav, Shantanu Chakrabartty, Chetan Singh Thakur	A3L-01	1	A3aL-06
2252	tinyRadar: mmWave Radar Based Human Activity Classification for Edge Computing Satyapreet Singh Yadav, Radha Agarwal, Kola Bharath, Sandeep Rao, Chetan Singh Thakur	A3L-01	2	A4aL-01
1577	Transfer Learning for Reuse of Analog Circuit Sizing Models Across Technology Nodes Zhengfeng Wu, Ioannis Savidis	A3L-01	3	A2uL-01
1615	Synthesis of Coupling Capacitance Based Hidden State Transitions for Sequential Logic Locking Pratik Shrestha, Ioannis Savidis	A3L-01	4	C1uL-02
Paper ID	Title Authors	We Reached Austin 2 Tuesday May 31 8:00-9:30		Virtual
		Session	Paper #	
1802	A High-Performance RNS LSTM Block Vasileios Sakellariou, Vassilis Paliouras, Ioannis Kouretas, Hani Saleh, Thanos Stouraitis	B1L-06	1	A2uL-03
1930	Handheld Fluorometer for Detection of Blue/Green Fluorescence	B1L-06	2	A1aL-01

	Kasun Pathirage, Kang Choi, Salman Azam, Roy Anderson, Elisabeth Smela, Pamela Abshire			
1838	Deep Neural Network Based Cell Segmentation for Lab-on-CMOS Systems Using Realtime Microscopy Nathan Renegar, Utku Noyan, Pamela Abshire	B1L-06	3	A2uL-03
2148	A CMOS Inductor-Less PMIC with MPPT and Burst Control for a 600 μ W Magnetoelectric Transducer Josep Maria Sánchez-Chiva, Amine Rhouni, Dimitri Galayko	B1L-06	4	C2uL-02
1763	Towards Hardware Implementation of WTA for CPG-Based Control of a Spiking Robotic Arm Alejandro Linares-Barranco, Enrique Piñero-Fuentes, Antonio Ríos-Navarro, Salvador Canas-Moreno, Maryada Maryada, J...	B1L-06	5	A2uL-02
Paper ID	Title Authors	We Reached Austin 3 Tuesday May 31 13:30-15:00		Virtual
		Session	Paper #	
1717	Phase-Change Memory in Neural Network Layers with Measurements-Based Device Models Carmine Paolino, Alessio Antolini, Fabio Pareschi, Mauro Mangia, Riccardo Rovatti, Eleonora Franchi Scarselli, Gianlu...	B3L-06	1	B3uL-05
2203	Purely Spintronic Leaky Integrate-and-Fire Neurons Wesley Brigner, Naimul Hassan, Xuan Hu, Christopher H. Bennett, Felipe Garcia-Sanchez, Matthew J. Marinella, Jean Ann...	B3L-06	2	A3uL-04
1336	Mirror ^N PUF: Harvesting Multiple Independent Bits from Each PUF Cell in 65nm Yizhak Shifman, Alexander Fish, Joseph Shor	B3L-06	3	A4aL-02
1542	Bionic Robust Memristor-Based Artificial Nociception System for Robotics Guangyu Feng, Bokyoung Kim, Hai Li	B3L-06	4	C4aL-04
1542	Bionic Robust Memristor-Based Artificial Nociception System for Robotics Enrique Piñero-Fuentes, Salvador Canas-Moreno, Antonio Ríos-Navarro, Daniel Cascado-Caballero, Ángel Jiménez-Fern...i	B3L-06	5	A3aL-04