



2023 Program-at-a-Glance

Conference will take place in San Antonio, Texas, USA, Central Daylight Time (CDT)

| Sunday, April 23, 2023 | | | | |
|---|---|---|--|--|
| <i>*All Sunday sessions are included with conference registration*</i> | | | | |
| Salon A | Salon B | Salon E | Salon F | |
| 9:00 am-4:45 pm <i>(12:15 pm-1:30 pm break)</i> Educational Session 1: Crystal-Less Timing/Frequency References | 9:00 am-4:45 pm <i>(12:15 pm-1:30 pm break)</i> Educational Session 2: Emerging Devices and Systems for Storage and Computing | 9:00 am-4:45 pm <i>(12:15 pm-1:30 pm break)</i> Educational Session 3: Wearable and Implantable Sensors | 9:00 am-4:45 pm <i>(12:15 pm-1:30 pm break)</i> Educational Session 4: Millimeter Wave/ sub-THz Phased Array Systems | |
| Monday, April 24, 2023 | | | | |
| 8:00 am-8:20 am Welcome and Opening Remarks <i>Salon C</i> | | | | |
| 8:20 am-9:10 am Session 1: Keynote Session <i>Salon C</i> | | | | |
| 9:10 am-9:30 am BREAK | | | | |
| Salon A | Salon B | Salon C | Salon E | Salon F |
| 9:30 am-11:40 am Session 2: Low-power Digital Circuits | 9:30 am-11:30 am Session 3: Forum: Ultra High-Speed Data Converters | 9:30 am-11:40 am Session 4: Gate Drivers and GaN ICs | 9:30 am-11:40 am Session 5: Low Power Quantum Computing & Wireless Transceivers | 9:30 am-11:40 am Session 6: Architectures for Advancing Computing |
| 11:40 am-1:00 pm BREAK | | | | |
| 1:00 pm-4:40 pm <i>(2:45 pm-3:00 pm break)</i> Session 7: Compute in Memory and Ising Machines | 1:00 pm-4:15 pm <i>(2:45 pm-3:00 pm break)</i> Session 8: Data Converter Design Techniques | 1:00 pm-5:05 pm <i>(2:45 pm-3:00 pm break)</i> Session 9: DC-DC Converters | 1:00 pm-4:15 pm <i>(2:45 pm-3:00 pm break)</i> Session 10: Recent Advances in Silicon Based Terahertz Solutions | 1:00 pm-5:05 pm <i>(2:45 pm-3:00 pm break)</i> Session 11: Analog Sensor Interfaces |
| 5:30 pm-7:30 pm Welcome Reception <i>Pool Deck – 7th Floor</i> | | | | |



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| Tuesday, April 25, 2023 | | | | |
|---|--|---|---|--|
| Salon A | Salon B | Salon C | Salon E | Salon F |
| 8:00 am-10:00 am Session 12: Forum: Recent Progress in LDOs and Voltage, Current, and Timing References | 8:00 am-10:00 am Session 13: Forum: Emerging Electrical and Optical Devices for Biomedical Applications | 8:00 am-10:50 am (9:45 am -10:00 am break) Session 14: Heterogenous SoCs for Next-Gen Compute Applications | 8:00 am-11:40 am (9:45 am -10:00 am break) Session 15: Frequency Generation, Clocking and Power Transfer | 8:00 am-11:15 am (9:45 am -10:00 am break) Session 16: ADCs with Noise Shaping |
| 10:10 am-11:30 am Session 17: Analog Techniques | 10:10 am-11:50 am A-SSCC Best Student Papers | 12:00 pm-1:30 pm Session 18: Luncheon Keynote Session <i>Salon D</i> | | |
| 1:45 pm-4:35 pm (3:30 pm-3:45 pm break) Session 19: Timing Circuits | 1:45 pm-5:00 pm (3:30 pm-3:45 pm break) Session 20: Machine Learning | 1:45 pm-4:35 pm (3:30 pm-3:45 pm break) Session 21: Mixed-Signal Foundational IPs for Emerging Systems | 1:45 pm-3:15 pm Session 22: Panel: It's 2023. Where are our self-driving cars? | 1:45 pm-5:25 pm (3:30 pm-3:45 pm break) Session 23: Advances in Low-power, High-performance Sensor Interfaces |
| 4:30 pm-6:00 pm IEEE SSCS Young Professionals and Women in Circuits Mentoring Event <i>Salon D</i> | | | | |
| 5:30 pm-7:30 pm CICC Conference Reception <i>River Terrace and Patio</i> | | | | |
| Wednesday, April 26, 2023 | | | | |
| 8:00 am-8:50 am Session 24: Keynote Session <i>Salon C</i> | | | | |
| 8:50 am-9:00 am BREAK | | | | |
| Salon E | Salon B | Salon C | Salon A | Salon F |
| 9:00 am-10:30 am Session 25: Panel: Improving ASIC Productivity | 9:00 am-11:00 am Session 26: Forum: Standardizing Chiptlet Design | 9:00 am-11:10 am Session 27: Advanced Techniques for Wireline Communications | 9:00 am-10:45 am Session 28: mm-Wave Transceiver and Front-end Building Blocks for Radar and Communication | 9:00 am-10:45 am Session 29: Gigasample-Rate Data Converters |
| 10:45 am-1:00 pm BREAK | | | | |
| Salon A | Salon E | Salon F | Salon B | Salon C |
| 1:00 pm-2:20 pm Session 30: Hardware Security | 1:00 pm-2:30 pm Session 31: Panel: Where is the balance between circuit and system-level innovation in our solid-state circuit conference? | 1:00 pm-2:30 pm Session 32: Panel: CHIPS Act and Future of Semiconductor Innovation | 1:00 pm-2:45 pm Session 33: Energy Harvesting and Wireless/Isolated Power Converters | 1:00 pm-2:15 pm Session 34: SAR-based Gigasample-rate ADCs |
| 2:45 pm-3:00 pm BREAK | | | | |
| 3:00 pm-4:00 pm Best Paper Poster Session & Closing/Awards Ceremony <i>Salon C</i> | | | | |