



# 2015 IEEE Radio Frequency Integrated Circuits Symposium Phoenix, AZ 17-19 May 2015



IEEE · MTT-S

## IMS2015

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## RFIC 2015 Call for Papers

The **2015 IEEE Radio Frequency Integrated Circuits Symposium (RFIC 2015)** will be held in Phoenix, AZ, on 17-19 May 2015. For the latest information, please visit: [rfic-ieee.org](http://rfic-ieee.org).

**Electronic Paper Submission/Communication:** Technical papers must be submitted via the RFIC 2015 website at [rfic-ieee.org](http://rfic-ieee.org). Hard copies will not be accepted. Complete information on how and when to submit a paper will be posted on the RFIC 2015.

**Technical Areas:** The conference will solicit papers describing original work in RFIC design, system engineering, system simulation, design methodology, RFIC circuits, fabrication, testing, and packaging to support RF applications in areas such as, but not limited to:

- **Wireless Mobile ICs:** 3G/4G/LTE, WCDMA, TD-SCDMA, HSPA, WiMax, Mobile TV.
- **Wireless Connectivity:** WLAN, 802.11xx, Bluetooth, FM, GPS, UWB, Wireless HD.
- **Low Power Transceivers:** RFID, NFC, Zigbee, WPAN, WBAN, Biomedical, Sensor Nodes.
- **RF Front-End Circuits:** RF and mm-wave LNAs, mixers, VGAs, phase shifters, RF switches, integrated FEM.
- **Mixed-Signal RF and Analog Baseband Circuits:** RF and BB Converters (ADC/DAC), Sub-sampling/Over-sampling Circuits, and all analog baseband circuits including filters and modulators.
- **Reconfigurable and Tunable Front-Ends:** SDR/Cognitive Radio, Wideband/Multi-band Front-Ends, Digital RF circuits/architectures, RF BIST, and reconfigurable data converters.
- **Large-Signal Circuits:** Power Amplifiers (RF & mm-Wave), Drivers, Advanced TX circuits, Linearization.
- **VCOs and Frequency Multipliers:** RF and mm-Wave VCOs, Frequency Multipliers.
- **Frequency Generation Circuits:** PLLs, Synthesizers, ADPLL, DDS, Frequency Dividers.
- **Modeling and CAD:** Active/Passive Devices, Packaging, EM Simulation, Co-Simulation.
- **Device Technologies:** CMOS, SOI, SiGe, GaAs, MEMS, Integrated Passives, Reliability, Characterization, Testing.
- **mm-Wave SOCs:** mm-wave SOC and SIP systems above 20GHz for data, video, imaging apps, beam steering.
- **High-Speed Data Transceivers:** Wireline, Wireless, Optical Transceivers, CDRs for High-Speed Data links.

**Technical Format:** The conference starts on Sunday, 17 May 2015 with workshops, followed by our plenary talks and reception. Monday, 18 May 2015 and Tuesday, 19 May 2015 will be comprised of presentations of contributed papers and special lunch-time panel sessions. RFIC also seeks 2-page short-format original industrial-only submissions on all the areas listed above.

**Journal Submissions:** Selected papers will be invited for special issues in IEEE Journal of Solid State Circuits and Transactions on Microwave Theory and Techniques.

**Microwave Week 2015:** The RFIC 2015 will be held in conjunction with the IEEE MTT-S International Microwave Symposium (IMS). Microwave Week 2015 will continue with the International Microwave Symposium Exhibition, Microwave Historical Exhibit, and ARFTG Microwave Measurement Conference. The IMS Exhibition is held in conjunction with the **IMS, RFIC,** and **ARFTG** Technical Symposia typically consists of over **550 Exhibitors** who represent the state-of-the-art in materials, devices, components, and subsystems as well as design and simulation software, test and measurement equipment.

**Guest Program:** Phoenix is America's fifth largest city in the heart of Sonoran Desert, and it is the gateway to Grant Canyon. Phoenix provides a panorama of red-rock buttes as well as urban sophistication; resorts and spas, stadiums and arenas worthy of the world's biggest sports spectacles, restaurants with inspired cuisine. The Heard Museum has a world-class collection of Native American art and culture set in a 1920s Spanish Colonial mansion. Phoenix Art Museum houses more than 17,000 works of classic and modern art span the globe, from Monet's France to Frida Kahlo's Mexico and Georgia O'Keeffe's Southwest.

### Electronic Submission Deadlines

Technical Paper Summaries in PDF format:

**12 January 2015**

Final Manuscripts for the Digest and CD-ROM:

**9 March 2015**

**All submissions must be made through the RFIC2015**

**portal in pdf form Hard Copies not accepted: [rfic-ieee.org](http://rfic-ieee.org)**



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