

## First Call for Papers

### General Chair:

Kamran Ghorbani  
RMIT Univ., Australia

The 2023 IEEE International Symposium on Radio-Frequency Integration Technology (RFIT2023) will be held in Cairns, Australia on August 14-16, 2023. This conference is sponsored by the IEEE Microwave Theory and Techniques Society.

The RFIT2023 invites papers in the following technical areas:

### Technical Program Chairs:

Yang Yang,  
University of  
Technology Sydney,  
Australia

- Device Technologies: CMOS, SOI, LDMOS, SiGe, GaAs, InP, GaN, MEMS, reliability, characterization
- Modeling and CAD: active/passive device modeling, CAD, EM simulation, co-simulation
- Packaging Technologies: MCM, SiP, TSV, flip chip assembly, wire bonding, anisotropic conductive film, additive manufacturing
- Passive circuits and antennas: on-chip antennas, integrated passive devices, ferrite, piezoelectric
- Frequency Generation/ Conversion ICs: VCOs, PLLs, synthesizers, dividers/multipliers/ mixers
- Front-end RFICs: LNAs, VGAs, phase shifters, RF switches
- Power ICs: power amplifiers, linearization circuits, drivers
- Millimeter-wave and THz ICs: circuits operating at mm-wave and THz bands
- Analog and Mixed Signal ICs: ADC, DAC, comparators, filters, AGC/VGA
- High-Speed Data Transceivers: wireless/wireline/optical transceivers, CDRs for data links.
- RF Sensor ICs: automotive radars, wearable devices, security, biomedical and healthcare applications
- Power Transmission ICs: RFID, electromagnetic induction, wireless power transmission ICs
- Emerging ICs: power management, digital RF circuits, RF BIST, reconfigurable ICs, vehicle electronic ICs
- Radio Integrated Systems: IoT M2M, automotive radars, wearable devices, security, biomedical and healthcare applications
- 5G/B5G/6G Systems MIMO systems, smart radio systems, cube satellite and satellite communication systems

Konstanty Bialkowski,  
University of  
Queensland, Australia

### Tutorial/Workshop Chair:

Forest Zhu,  
University of  
Technology Sydney,  
Australia

### Award & Publication Chair:

Amir Ebrahimi, RMIT  
Univ, Australia

### Paper Submission:

To encourage timely reporting of the latest results and have better opportunities to expand papers for possible journal publications, prospective authors are invited to submit a 3-page manuscript (both initial submission and final manuscript, if accepted) in English and in IEEE PDF eXpress format. The manuscript should emphasize original contributions and key findings, including figures, diagrams and results from both simulations and measurements. References should be clearly cited and up-to-date. Accepted conference papers can be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements. By submitting a manuscript, the authors agree that, if accepted, at least one of the authors will make a full registration and attend the RFIT2023 to present their paper.

### Treasurer:

James Scott  
RMIT Univ, Australia

### Publicity Chair

Thomas Baum,  
DSTG, Australia

### Important Dates:

Manuscript submission deadline:	May 05, 2023
Notification of acceptance:	June 15, 2023
Submission of final manuscript:	July 01, 2023

All must be made through the RFIT2023 website: [www.rfit2023.org](http://www.rfit2023.org)