



2017 IEEE International Symposium on Radio-Frequency Integration Technology (RFIT2017) August 30 – September 01, 2017 The K-Hotel, Seoul, Korea

1st Call for Paper

Executive Committee

Chair:

Mohammad Madihian, Drexel Univ., USA

Vice Chair:

Fujian Lin, USTC, China

Members:

Noriharu Suematsu, Tohoku Univ., Japan

Huei Wang, NTU, Taiwan

Jae-Sung Rieh, Korea Univ., Korea

Michael Ong, A*STAR, Singapore

Organizing Committee Chair:

Songcheol Hong, KAIST, Korea

Technical Program Committee

Chair:

Jae-Sung Rieh, Korea Univ., Korea

Technical Program Committee

Co-Chair:

Michael Ong, A*STAR, Singapore

Tutorial/Workshop Chair:

Minkyu Je, KAIST, Korea

Finance Chair:

Sanggeun Jeon, Korea Univ., Korea

Publication Chair:

Dong-Wook Kim, Chungnam Nat'l Univ., Korea

Publicity Chair:

Franklin Bien, UNIST, Korea

Exhibition Chair:

Jong-Won Lim, ETRI, Korea

Local Arrangements Chair:

Byung-Wook Min, Yonsei Univ., Korea

The 2017 IEEE International Symposium on Radio-Frequency Integration Technology (RFIT2017) will be held at The K-Hotel, Seoul, Korea, on August 30-September 1, 2017. This conference is organized and sponsored by the IEEE MTT-S, and will be supported by IEEE MTT-S Seoul Chapter. The Korean Institute of Electromagnetic Engineering and Science (KIEES) is a Technical Co-Sponsor of the RFIT.

The topics include, but are not limited to, the following technical areas:

1. Device Technologies: CMOS, SOI, LDMOS, SiGe, GaAs, InP, GaN, MEMS, reliability, characterization, etc.
2. Modeling and CAD: active/passive device modeling, CAD, EM simulation, co-simulation, etc.
3. Packaging Technology: MCM, SiP, TSV, flip chip assembly, wire bonding, anisotropic conductive film, etc.
4. Passive Circuits and Antenna: on-chip antennas, integrated passive devices, ferrite, piezoelectric material, etc.
5. Frequency Generation and Conversion ICs: VCOs, PLLs, synthesizers, ADPLLs, frequency dividers/multipliers, mixers, etc.
6. Front-end RFICs: LNAs, VGAs, phase shifters, RF switches, etc.
7. Power ICs: power amplifiers, linearization circuits, drivers, etc.
8. Millimeter-wave and THz ICs: circuits operating at mm-wave (30-300 GHz) and sub-mm-wave (>300 GHz) bands.
9. Analog and Mixed Signal ICs: ADC, DAC, comparators, filters, AGC/VGA, etc.
10. High-Speed Data Transceivers: wireless/wireline/optical transceivers, CDRs for high-speed data links.
11. RF Sensor ICs: automotive radars, wearable devices, security, biomedical and healthcare applications, etc.
12. Power Transmission ICs: RFIDs, electric coupling, electromagnetic induction, magnetic resonance, wireless power transmission ICs, etc.
13. Emerging ICs: power management, digital RF circuits/architectures, RF BIST, reconfigurable and tunable ICs, new energy vehicle electronics EM and ICs, etc.

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. If accepted, the manuscript will be published in IEEE Xplore. By submitting a manuscript, the authors promise that, if accepted, at least one of them will attend RFIT2017 with full registration.

Manuscript submission deadline: **3 April 2017 (Mon)**

Notification of acceptance: 17 May 2017 (Wed)

Submission of final manuscript: 16 June 2017 (Fri)

All must made through the RFIT2017 website: www.rfit2017.org

Website: www.rfit2017.org



About RFIT

RFIT is a focused yet interdisciplinary advanced forum for microwave and microelectronics RFIT is a focused yet interdisciplinary advanced forum for microwave and microelectronics technologies. RFIT is an annual event in region 10 solely sponsored by IEEE MTT Society. It will rotate among Taiwan, Korea, Singapore, China, and Japan, and will be held in end of August or beginning of September every year.

RFIT provides a forum for the integrated circuit and technology communities to meet and present the latest developments in integrated circuit design, technology and system integration, with emphasis on wireless communication systems and emerging applications such as biology and healthcare, as well as emerging THz and 3D integration technologies.

RFIT will continue to feature both invited and contributed papers. Distinguished researchers will be invited to deliver keynote speeches and invited talks on technology trends and significant advances. The best papers will be selected from the contributed papers for awards. Both invited and contributed papers that are accepted by RFIT will appear in the IEEE Xplore, Science Citation Index (SCI) and Engineering Index (EI). Extended versions of the papers can be submitted to the IEEE Transactions on Microwave Theory and Techniques.

Author Registration and Paper Submission Steps:

1. Author registration form: title, author(s) and affiliation(s), and statement of exclusivity. This form also includes a 30-50 word abstract (description of the subject, its importance, and how the work contributes to the field). This information is required and must be submitted via the conference website: www.rfit2017.org.
2. Authors must use the template provided on the website to format their manuscript. The manuscript may not exceed 3 pages total and the file size must be less than 2 MB. For PDF files, use Distiller and select "embed all fonts". Please note that we are not accepting *.doc files.
3. Submission deadline: **3 April 2017**
Submissions will be acknowledged instantly.
 - HARD copy and FAX submissions will NOT be accepted.
 - Late submissions will NOT be considered.

Authors of accepted papers will be required to submit a detailed paper, along with a clear die photo of the work described in the manuscript, if applicable.

Paper Selection Criteria: All submissions must be in **English**. Papers will be selected based on the following factors:

- **Originality:** The paper must be unique, significant, and state-of-the-art. Are references to existing literature included?
- **Quantitative content:** The 3-page paper should give an explicit description of the work with supporting data.
- **Quality:** Clarity of the writing and figures. What is the context of the contribution to previous work?
- **Interest to RFIT attendees:** Why should this work be reported at this conference?

Notification: Authors will be notified of acceptance on **17 May 2017**. Authors of accepted papers will receive copyright release forms and instructions for publication and presentation. Final manuscripts for publication in the RFIT digest must be received by **16 June 2017**.

No Double Submission: Authors who do not properly cite their previous work, or who submit an RFIT manuscript to two or more publications without informing the editor that the paper is concurrently under review by another publication will be reported to IEEE and may be banned from future publications.

About the Venue

The K-Hotel Seoul

70, Baumoe-ro 12-gil, Seocho-gu, Seoul, Korea
TEL: +82-2-571-8100
http://www.thek-hotel.co.kr/e_seoul/main.asp

Access by subway

- SinBundang Line: Yangjae Citizens' Forest Station (10 min walk from the hotel)
- Line 3: Yangjae Station (take taxi or hotel shuttle near Exit No. 9 to the hotel)

Access by airport limousine

#6009 from Incheon Int. Airport (ICN): Get off at Yangjae Station (Subway line 3) and take taxi or hotel shuttle near Exit No. 9

