



# 2011 IEEE Radio Frequency Integrated Circuits Symposium Baltimore, Maryland 5-7 June 2011



## STEERING COMMITTEE

### General Chair

David Ngo, RFMD  
davidngo@ieee.org

### Technical Program Co-Chairs

Albert Jerng, Ralink  
ajerng@gmail.com  
Jacques C. Rudell, Univ. of Washington  
jcrudell@yahoo.com

### Finance

Bertan Bakkaloglu, Arizona State Univ.  
bertan@asu.edu

### Workshops

Brian Floyd, North Carolina State Univ.  
bafloyd@ncsu.edu  
Albert Wang, Univ. of Cal, Riverside  
aw@ee.ucr.edu

### Digest & CD-ROM

Kevin Kobayashi, RFMD  
kevin.kobayashi@rfmd.com

### Publicity

Kevin McCarthy, Univ. College Cork  
k.mccarthy@ucc.ie

### Panel Sessions

Larry Kushner, Intersil Corp.  
kushner@ieee.org

### Transactions

Georg Boeck, Berlin Institute of Tech.  
boeck@tu-berlin.de

### Student Papers

Yuhua Cheng, SHRIME Peking Univ.  
yuhua.cheng@ieee.org

### Secretary

Freek van Straten, NXP Semiconductors  
freek.van.straten@nxp.com

### Asia Pacific Liaisons

Noriharu Suematsu, Tohoku Univ.  
suematsu@riec.tohoku.ac.jp

### Website

Takao Inoue, Univ. of Texas, Austin  
takao@ieee.org

### Conference Coordinator

Larry Whicker, LRW Associates  
lrwassoc@carolina.rr.com

### Executive Committee

Luciano Boglione, Univ. of Massachusetts  
Jenshan Lin, Univ. of Florida  
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**ALL SUBMISSION MUST BE  
IN PDF FORM**

**Hard Copies not accepted**

## RFIC 2011 Call for Papers

The **2011 IEEE Radio Frequency Integrated Circuits Symposium (RFIC 2011)** will be held in Baltimore, Maryland on 5-7 June 2011. For the latest information, visit: [www.rfic2011.org](http://www.rfic2011.org)

**Electronic Paper Submission/Communication:** Technical papers must be submitted via the RFIC 2011 web site at [www.rfic2011.org](http://www.rfic2011.org). Hard copies will not be accepted. Complete information on how and when to submit a paper will be posted on the RFIC 2011 website in July 2010.

**Technical Areas:** Papers are solicited 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:

- **Cellular System ICs:** GSMK/8PSK, CDMA, TD-SCDMA, HSPA, 3G/4G/LTE, WiMAX.
- **Wireless Data System ICs:** Bluetooth, 802.xx, sensors, RFID, biomedical.
- **Wide Band System ICs:** UWB, MMDS, CATV, Optical System, Backplane.
- **Small-Signal Circuits:** LNAs, Mixers, VGAs, Active Filters, Modulators.
- **Large-Signal Circuits:** Power Amplifiers, Drivers, Advanced TX circuits, Linearization.
- **Frequency Generation Circuits:** VCOs, PLLs, Synthesizers.
- **RFIC Device Technologies:** Si, SOI, GaAs, pHEMT, MEMS, nanoscale RF.
- **RFIC Testing:** Packaging, Modules, Embedded Testing, Self-calibration.
- **Modeling and CAD:** RFIC Modeling, Characterization of Active and Passive Devices.
- **Si Millimeter Wave ICs:** Circuits and Systems (data, imaging, security, vehicular, medical...)

**Technical Format:** The conference starts on Sunday (6/5) with workshops followed by our plenary talks and reception. Monday (6/6) and Tuesday (6/7) will be full of contributed papers including special panel sessions during lunch periods.

**Microwave Week 2011:** The RFIC 2011 will be held in conjunction with the IEEE MTT-S International Microwave Symposium (IMS). Microwave Week 2011 will continue with the International Microwave Symposium Exhibition, Microwave Historical Exhibit and ARFTG Microwave Measurement Conference.

**Guest Program:** Baltimore is a vibrant city on the water where you will find an interesting attraction around every corner. The city has a generous selection of new hotels, outstanding restaurants and many attractions for the entire family. Baltimore's world-renowned Inner Harbor is surrounded by historic neighborhoods where you will find city living at its best with unique shops and restaurants for every style and taste.

### Electronic Submission Deadlines

Technical Paper Summaries in PDF format:

**11 January 2011**

Final Manuscripts for the Digest and CD-ROM:

**15 March 2011**

**All submissions must be made through the RFIC2011 portal:**

**[www.rfic2011.org](http://www.rfic2011.org)**



Sponsored by the IEEE MTT-S, EDS, and SSCS  
<http://www.rfic2011.org>



# Technical Paper Electronic Submission

## Author Registration and Paper Summary Steps:

1. Author registration form: title, author(s), and affiliation(s), and statement of exclusivity. This form also includes a 30-50 word abstract (describe the subject, its importance, and how the work contributes to the field). This information is required and must be submitted via the website: <http://www.rfic2011.org>
2. A four-page template for authors is at the website: <http://www.rfic2011.org>. This template should be used by authors to format their manuscript, including texts and figures. **The manuscript may not exceed 4 pages total and the file size must be less than 1 MB. For PDF files, use Distiller and select "embed all fonts". Please note that we are not accepting \*.doc files.**
3. Submission deadline: **11 January 2011**  
*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, which includes a clear die photo of the work described in the manuscript.

**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 summary should give an explicit description of the work with complete supporting data.
- **Quality:** Clarity of the writing and figures. What is the context of the contribution to previous work?
- **Interest to RFIC membership:** Why should this work be reported at this conference?

**Clearances:** Authors must obtain all required company and government clearances prior to submitting a paper. A statement of clearance signed by the submitting author, must accompany the final manuscript for the paper to be considered for publication.

## Presentation Format:

- **Full-Length Papers** will require a presentation during the regular conference, to describe novel circuit and system techniques, data and potential impact to the microwave community.
- **Interactive Forum Papers** provide an opportunity for authors to present theoretical or experimental results in poster format, in addition to demoing new hardware with an interactive discussion.

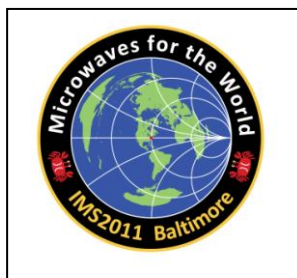
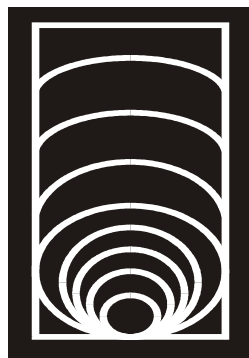
**Student Paper Contest:** A student paper contest will be held as part of the Symposium. Student papers will be reviewed in the same manner as all other conference papers. To be considered for an award, the student must have been a full time student (9 hours/term graduate, 12 hours/term undergraduate) during the time the work was performed. The student must be the lead author of the paper in addition to delivering the presentation at the conference. *The email address of the student's advisor must be supplied during the paper submission process.* Upon paper submission, the student's advisor will automatically receive a verification email regarding the manuscript. Papers accepted for the competition will be judged on content with prizes award for the first, second and third place.

**Notification:** Authors will be notified of acceptance in February 2011. Authors of accepted papers will receive copyright release forms and instructions for publication and presentation. Final Manuscripts for publication in the RFIC digest must be received by 15 March 2011.

**Double Submission:** Authors should not submit the same manuscripts to both **IMS** and **RFIC**. The **considerably overlapped manuscripts will be rejected.**

IEEE  
468 Walden Trail  
Waxhaw, NC 28173

Call for Papers  
2011 RFIC Symposium  
Baltimore, Maryland  
5-7 June 2011



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