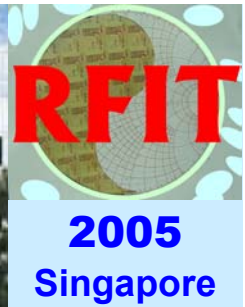


**IEEE International
Workshop on
Radio-Frequency
Integration Technology:
Nov. 30 – Dec. 2, 2005
Institute of Microelectronics**



Integrated Circuits for Wideband Communications and Wireless Sensor Networks

Organization Committee

General Chairs:

Fujiang Lin, IME, Singapore
fujiang_lin@ieee.org
Ming-Kai Tsai, MediaTek Inc.

Technical Program Committee

Chairs:

Ban Leong Ooi, NUS, Singapore
eleoibl@nus.edu.sg
Huei Wang, NTU, Taiwan

Invited Papers Chairs:

Khen Sang Tan, IME, Singapore
Rajinder Singh, IME, Singapore

Tutorial Chair:

Aruna Ajikuttira, IME, Singapore

International Advisory Committee

Jonathon Cheah, Jaalaa, USA
Yann Deval, IXL Lab, France

Publicity Chair / Web Master:

Yong-Zhong Xiong, IME, Singapore

Publication Chair:

Chao-Fu Wang, NUS, Singapore

Interactive Forum Chair:

Lihui Guo, IME, Singapore

Finance Chairs:

Wooi Gan Yeoh, IME, Singapore
Yeow Beng Gan, NUS, Singapore

Exhibition Chairs:

Albert Lu, SIMTech, Singapore
Rajan Walla, IME, Singapore

Sponsorship Chairs:

Yoke Choy Leong, DSO, Singapore
Jian Guo Ma, NTU, Singapore

Secretary:

Subhash C. Rustagi, IME,
Singapore

Local Arrangements Chair:

Mary Teng, IME, Singapore

www.ime.a-star.edu.sg/rfit2005

This will be the 1st IEEE International Workshop on RF Integration Technology.

Aggressive scaling of CMOS and SiGe technologies has brought the highly-integrated RF front-ends and millimeter wave ICs into the domain of silicon technology. The high frequency performance of silicon devices is leading to a coalescing of microwave and silicon microelectronics, making 'ubiquitous wireless' practical and affordable. Silicon foundries providing nano-scale feature sizes continue to boom, particularly in the Asia region.

With this background, the workshop aims to provide a forum for exchange of information and update on latest developments in the area of radio frequency integrated circuits and integration of communication systems. Participation by the IC design community from both academia and industry is highly encouraged. Accordingly, leading edge and contemporary topics such as RFICs, OEICs, BioICs, including design, characterization, fabrication or implementation and packaging, will define the themes of the workshop. In this year's workshop, the focus will be on RF transceiver architecture and the design of high performance transceiver blocks for emerging wideband and high-frequency communication, as well as low power wireless sensor networks applications.

In addition to oral presentations and interactive forum, distinguished leaders will be invited to deliver keynote speeches on significant trends, advancements and applications in areas related to the theme.

The topics of interest include but are not limited to the following:

Wireless Data and Wideband Communication System ICs: UWB, WiMAX, WLAN, 802.11x, Bluetooth, MMDS, TV Tuners ...

RF Transceiver Architecture for Modern and future Cellular Systems: GPS, GSM, EDGE, TDMA, WCDMA, 3G, 4G ...

RF and Optical IC Building Blocks: LNA, Mixer, VGA, Filter, Modulator, PA, Driver, VCO, PLL, Synthesizer, ADC ...

Millimeter Wave ICs and Applications

Modeling and CAD

Low Power Wireless Sensor Networks and RF Identification

Integrated Bio Electronics and Health Care Sensors with Wireless Connectivity

Optical System IC's and Architectures

RF and Optical IC Fabrication Technologies

3D Module and heterogeneous materials and system integration

SoC, SiP, Packaging, Modules

RF test and characterization

Electronic Paper Submissions and Deadlines:

A summary written in English, up to 4 A4 pages in standard IEEE format, including affiliations of authors, e-mail address of the communicating author, a 100 word abstract, and a summary bringing out the original contributions is to be submitted.

The format and style of the summary should have the same layout as the final paper and should include key figures, diagrams and data. Commercial or promotional papers are strongly discouraged. Format and style for the final manuscript will be provided in the instructions to authors on RFIT official website www.ime.a-star.edu.sg/rfit2005.

Technical Paper Summaries in PDF format: ~~August 4,~~ August 22, 2005

Notification of Acceptance:

September 15, 2005.

Final Manuscripts for the Proceeding and CD-ROM:

October 15, 2005.

Exhibitions:

Exhibition of company products are solicited for the above Subject Areas. Interested parties should contact the Exhibition Chair, rfit2005@ime.a-star.edu.sg



Call for Papers
www.ime.a-star.edu.sg/rfit2005



International Advisory Committee:

Jonathon Cheah,	Jaalaa Inc., USA
M. C. Frank Chang,	University of California, Los Angeles, USA
Sanford Chu,	Chartered Semiconductor Manufacturing, Singapore
Yann Deval,	IXL Lab, France
James C. M. Hwang,	Lehigh University, USA
Shogo Ida,	Global Interface Technologies Inc., Japan
Ping K. Ko,	Hong Kong University of Science & Technology, Hong Kong
Dim Lee Kwong,	Institute of Microelectronics, A*STAR, Singapore
Lawrence E. Larson,	University of California, San Diego, USA
Hai-Young Lee,	Ajou University, Korea
John Long,	Delft University of Technology (TU Delft), Netherlands
Gin-Kou Ma,	Industrial Technology Research Institute (ITRI), Taiwan
Takashi Ohira,	ATR Wave Engineering Laboratories, Japan
Huai Min Shang,	Temasek Laboratories at NTU, Singapore
Ken Sun,	Sychip, USA
Francesco Svelto,	University of Pavia, Italy
Geok Leng Tan,	InfoComm Development Authority of Singapore, Singapore
George D. Vendelin,	IEEE Life Fellow, National Taiwan University, Taiwan
Shanjia Xu,	University of Science and Technology of China, China

Technical Program Committee:

Ban Leong Ooi	(Co-Chair), National University of Singapore, Singapore
Huei Wang	(Co-Chair), National Taiwan University, Taiwan
Tariq Alam,	Cascade Microtech Inc, USA
Jean-Baptiste Begueret,	IXL lab, France
Didier Belot,	ST Microelectronics, France
Yi-Jen Chan,	Industrial Technology Research Institute (ITRI), Taiwan
Michael Yan-Wah Chia,	Institute for Infocomm Research (I ² R), Singapore
Manh Anh Do,	Nanyang Technological University, Singapore
Brian P. Gaucher,	IBM T.J. Watson Research, USA
Tian-Wei Huang,	National Taiwan University, Taiwan
Masaaki Itoh,	Oki Techno Centre Singapore, Singapore
Sang-Gug James Lee,	Information and Communications University, Korea
Yong Lian,	National University of Singapore, Singapore
Jenshan Lin,	University of Florida, USA
Ting-Ping Liu,	Winbond Electronics (Shanghai), China
Howard Luong,	Hong Kong University of Science & Technology, Hong Kong
Michael Schlechtweg,	Fraunhofer Institute of Applied Solid State Physics (FhG-IAF), Germany
Zhi-Gong Wang,	Southeast University, China
Yong Ping Xu	National University of Singapore, Singapore
Hongxi Xue,	MediaTek Singapore, Singapore
Kiat Seng Yeo,	Nanyang Technological University, Singapore
C. Patrick Yue,	Carnegie Mellon University, USA

Preliminary schedule plan:

November 30, 2005, Wednesday:	Tutorial sessions by renowned speakers
December 01, 2005, Thursday:	Workshop on conference theme and Banquet in the evening
December 02, 2005, Friday:	Workshop on conference theme

Interactive Forum:

In addition to the oral presentation sessions, interactive forum for the poster papers will be organized.

Best papers will be selected and awarded.

All contributed papers including those presented in interactive forum will be considered for the Best Paper award.

For paper submission, please follow RFIT official website:

www.ime.a-star.edu.sg/rfit2005

It is important that the submitted manuscript is in PDF format and in compliance with the IEEE Xplore requirements.

For further information, please contact:

rfit2005@ime.a-star.edu.sg