



# IEEE Radio & Wireless Symposium

17 – 19 January 2006, San Diego, CA 92101

**Electronic  
Submission Deadline:  
7 July 2005**  
[www.radiowireless.org](http://www.radiowireless.org)

Sponsored by the IEEE Microwave Theory and Techniques Society • IEEE Communications Society

## Call for Papers

### General Chair

Fred Schindler, *RF Micro Devices*  
[m.schindler@ieee.org](mailto:m.schindler@ieee.org)

### Technical Program Chair

Mohammad Madhian,  
*NEC Laboratories America*  
[madhian@ieee.org](mailto:madhian@ieee.org)

### Technical Program Vice-Chair

Xiaodong Wang, *Columbia University*  
[wangx@ee.columbia.edu](mailto:wangx@ee.columbia.edu)

### Special Sessions Co-Chairs

Fazal Ali, *Nokia*  
Paul Draxler, *Qualcomm*

### Workshop Co-Chairs

Jenshan Lin, *University of Florida*  
Luciano Boglione, *Filtronics Sigtek*

### Interactive Forum Co-Chairs

Aly Fathy, *University of Tennessee*  
Takao Inoue, *University of Texas at Austin*

### Student Papers Chair

Gabriel Rebeiz, *University of California, San Diego*

### Publications Chair

George Heiter, *Heiter Microwave Consulting*

### Publicity Co-Chairs

Jeremy Muldavin, *MIT Lincoln Laboratory*  
Zhensheng Zhang, *San Diego Research Center*

### Electronic Submissions

Jeff Pond, *US Naval Research Laboratory*

### Webmaster

Takao Inoue, *University of Texas at Austin*

### Finance Chair

Upkar Dhaliwal, *ST Microelectronics*  
[Upkar@ieee.org](mailto:Upkar@ieee.org)

### Finance Vice Chair

H. Clark Bell, *HF Plus*

### Local Arrangements Chair

Paul Yu, *University of California, San Diego*  
[yu@ece.ucsd.edu](mailto:yu@ece.ucsd.edu)

### Local Arrangements Conference Planner

Jennifer Turso  
[jenniferturso@yahoo.com](mailto:jenniferturso@yahoo.com)

### Registration Chairs

Ellen Lan, *Rockwell-Collins*  
Nitin Jain, *Anokiwave*

### International Attendee Liaison

Anil Agrawal, *Qualcomm*  
[anila@qualcomm.com](mailto:anila@qualcomm.com)

### Signage

Robert Weistand, *Peregrine Semiconductor*

### Exhibition Manager

Harlan Howe, *Horizon House*

### At Large

Steve Kenney,  
*Georgia Institute of Technology*  
Ke Wu, *Ecole Polytechnique de Montreal*

The IEEE Radio and Wireless Symposium (RWS 2006) continues the evolution of the successful Radio and Wireless Conference (RAWCON), most recently held in Atlanta, GA, September 2004. This conference maintains a focus on interdisciplinary aspects of wireless and RF systems and technology with an emphasis on how pieces fit together to shape the latest developments in communications technology and enable the convergence of applications. In addition to oral presentations and posters, RWS includes workshops, panels, and a major exhibition. The inaugural RWS 2006 will be held in San Diego, CA, 17-19 January 2006 as part of a week-long major technical event – MTT Wireless. Also participating in MTT Wireless are the *Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems (SiRF)* and the *IEEE Topical Workshop on Power Amplifiers for Wireless Communications (PA Workshop)*.

### RWS 2006 sessions will highlight applications including (but not limited to):

- 3G/4G Wireless Communication including Emergency/Location Services
- 802.11/HiperLAN2 Wireless LAN Systems
- Software Defined Radio/Cognitive Radio and other Emerging Technologies
- 802.16/LMDS Broadband Fixed Wireless and Last-Mile Access Techniques
- Bluetooth/Personal Area Networks
- Wireless Sensors and Ad Hoc Networks
- 802.15/Ultrawideband (UWB) Communication
- Low-Power/Low Noise RF/Analog IC and System-On-Chip Solutions

### Sessions will cover systems and enabling technologies in the areas of:

- System Architecture, Integration, and Convergence Issues
- Digital/Analog Adaptive/Collaborative Signal Processing
- System Level Design, Modeling, and Simulation
- MIMO/Space-Time Processing, Relaying Technology, and Smart Antennas
- Signal Generation/Power Amplification, Linearization, and Active Components
- Front-End Antenna/Subsystems and Passive Components
- Cross-Layer Design

### Workshop Proposals

Proposals for workshop topics are solicited, and must be received by **6 June 2005**. Details on the process and requirements can be found at [www.radiowireless.org](http://www.radiowireless.org).

### Paper Submission Instructions

Authors must submit a summary (not more than 4 pages including figures) electronically using the [www.radiowireless.org](http://www.radiowireless.org) web page by **7 July 2005; this date is firm**, no extensions can be granted. Please indicate your preference for oral or poster presentation format. The preferred file format is pdf; for additional options go to [www.radiowireless.org](http://www.radiowireless.org).

Submissions will be evaluated for originality, significance of the work, technical soundness, and interest to a wide audience. Authors will be notified by 29 August 2005. Final manuscripts of accepted papers (4 pages in length) must be received by **1 November 2005** to be included in the published Proceedings. A Student Paper Competition will be included in the Symposium; for details go to: [www.radiowireless.org/spc/StudentPaperContestRules.pdf](http://www.radiowireless.org/spc/StudentPaperContestRules.pdf).

### Late News Papers

There will be limited space for Late News Papers, which may be submitted up to 7 September 2005. Submission requirements are the same as above, but the selection criteria are more rigorous. Accepted Late News Papers will appear in the Proceedings, but can not be listed in the Advance Program.

### Major Exhibition

RWS 2006 is part of MTT Wireless which also includes a major commercial exhibition of technologies & services for radio and wireless development. See [www.horizonhouse.com](http://www.horizonhouse.com) for details.

