



Online Conference and Exhibition

A Quality Conference Driven by the Industry's Leading Editors

Cutting-edge content that attracts serious technical professionals

► The Industry's Leading Editors



Ernest Worthman
Editorial Director
Wireless Design & Development
Fiber Optic Technology



Andrea Joest
Managing Editor
Wireless Design & Development
Fiber Optic Technology

The *Wireless OEM Expo Online Conference* delivers a content-rich, cutting edge educational program. The conference agenda entails more than a dozen technical sessions across five critical technology areas [per live event date](#). The five technology areas are:

DIGITAL TECHNOLOGIES

These sessions will discuss the design and technologies of high-speed, high-density multifunction digital ASICs, digital signal processors, signal sources, digital baseband processors and such that are responsible for incorporating a wide platform of functions and features into today's various radio platforms. The attendee will gain an understanding of the integration of such devices in radio design.

EMBEDDED SYSTEMS

Embedded systems are rapidly becoming the building blocks of modern communications systems. As the move to make single-die IC the norm, SoC and similar methodologies are making significant use of embedded systems. These tracks will examine the design of the present state of embedded systems as applied to today's wireless systems. The attendee will gain a knowledge of what embedded systems are today, how they integrate in radio design, and how they can be used to achieve cost-effective and efficient designs.

SEMIS/MMICS/RFICS

Advancement in wafer densities, lower power platforms, SiGe, silicon-carbide, substrates and densities make a myriad of new semiconductor devices available. These device designs deviate from the traditional design methodologies in wireless systems. These sessions will examine these modern devices and dissect the design parameters around them. The attendee will come away with knowledge of these devices, their design parameters, and their role in next-generation wireless devices.

TEST AND MEASUREMENT

The testing of 21st century communications systems, devices and functions demands a completely new set of procedures and hardware. With speeds regularly beyond 1 GHz, test equipment must be extremely precise, and variables that could be ignored at lower frequencies make a significant impact at high frequencies. Additionally, XG test equipment is largely digital and either software-configurable or modular. These sessions will discuss the equipment, testing methodologies and issues around testing modern radios. The attendee will gain a fundamental understanding of this equipment, its functionality, and application to innovative modern wireless equipment.

UNLICENSED TECHNOLOGIES

Unlicensed devices and technologies are proliferating at a phenomenal rate. Unlicensed wireless technologies, such as WiFi, WiMax, ZigBee, Bluetooth and others on the horizon are going to be the fastest growing, and most variable technologies for the foreseeable future. Issues in unlicensed wireless include security, coexistence and compliance, just to name a few and the design issues around these devices are extremely fluid at present. This session will address these and other issues from a design perspective. The attendee will be given a perspective on the technologies and their issues, and gain a clear roadmap to the design of unlicensed technologies.

► Wireless OEM Design Expo Conference Hall Statistics*

Attendees of the first *Wireless OEM Design Expo* enjoyed more than 15 technical sessions across five technical tracks over a consecutive two-day live event with six months on-demand viewing.

- Total Visits: 4,756
- Total Unique Visits: 2,075

Conference Track	Visits	Unique Visits	Avg. Time* per visitor
Embedded Systems	696	273	3
Military/Security	425	221	1
Semiconductors/ICs	574	248	2
Test & Measurement	787	354	3
XG-Data & Multimedia	631	274	3
Total	3,113	1,802	

*Time refers to hours.

*Statistics are based on reporting as of April 2005, four months into on-demand viewing.