

WiMAX: Opportunities, Technical Challenges, and Design Concepts

2008 MTT SCV Short Course on Saturday, 19 April 2008, 08:00 to 16:00

Stanford Linear Accelerator Center Auditorium, 2575 Sand Hill RD, Menlo Park, CA

Mobile broadband internet is a transport system as important as waterways, railroads, and interstate highways. Affordable broadband for all citizens is essential to a knowledge-based economy and society. WiMAX has the potential to transform worldwide mobile and broadband markets. Engineers need to be able to understand the complexities facing the rollout of WiMAX networks and address them, while optimizing their WiMAX solutions in a final, portable, and energy-efficient form. This form will need to coexist with other wireless standards-based devices on the same portable device.

The 2008 IEEE MTT-SCV Short Course will give an overview of WiMAX technology, industry trends, and business case. It will include a panel discussion comprised of today's speakers to address what this technology will look like in 2013. Following lunch, there will be discussions of GaN technology with WiMAX and open architecture for application deployment. Finally, there will be an overview of WiMAX testing.

Please join us with our impressive lineup of speakers in exploring these exciting WiMAX opportunities and the knowledge base that is required to meet them.

Sponsoring exhibitors are Agilent Technologies, MC Microwaves, Zeland Software, Applied Wave Research (AWR), and Rohde & Schwarz. Register at <http://www.mtt-scv.org/>.

08:00-08:30	Registration and Breakfast	
08:30-08:40	Introduction	Dr. Mohamed Sayed Chair, IEEE MTT-SCV
08:40-09:25	Keynote Speaker WiMAX Technology and Infrastructure Overview	Dr. Siavash Alamouti Fellow and CTO Mobile Wireless, Intel
09:25-10:05	WiMAX Forum Industry Update	Dr. Mo Shakouri VP Marketing, WiMAX Forum Vice President, Alvarion
10:05-10:40	Break	
10:40-11:05	Mobile WiMAX Business Case	Doug Gray Consultant
11:05-12:10	Panel Discussion WiMAX in 2013	Dr. Siavash Alamouti Doug Gray Phil Lorch Dr. Raymond Pengelly Dr. Mo Shakouri Tom Tofigh
12:10-13:20	Lunch	
13:20-14:00	GaN Transistor Technology for High-Efficiency, High-Power Amplifiers in WiMAX Base-Station Applications	Dr. Raymond Pengelly Cree Wireless Devices
14:00-14:40	Applications for 4G Networks: Recommendations and Best Practices	Tom Tofigh PMTS, AT&T Chair, WiMAX Forum App Working Group
14:40-15:10	Break	
15:10-15:50	WiMAX Wave 2 Testing: MIMO and STC	David Huynh Application Engineer, Agilent
15:50-16:00	Wrap up, Raffle, and Giveaways	

Registration	Members	Nonmembers	Students, Unemployed, Retired
Before 5 April 2008	\$95	\$120	\$60
After 5 April 2008	\$120	\$145	\$80