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Subscriptions

Subscribe online at:

www.highfrequencyelectronics.com  
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Advertising information on page 71

High Frequency Electronics, Vol. 3 No. 8, September 2004. Published ten times per year by Summit Technical Media, LLC, 7 Colby Court, Suite 7-436, Bedford, NH 03110. Subscriptions are free to qualified technical and management personnel involved in the design, manufacture and distribution of electronic equipment and systems at high frequencies. Send information requests by mail to the above address, by telephone to 603-472-8261, by fax to 603-471-0716, or by E-mail to: editor@highfrequencyelectronics.com. Copyright © 2004 by:



# We're All Part of a Worldwide Engineering Community

**Gary Breed**  
Editorial Director



With European Microwave Week coming quickly (or happening now if you picked up this issue at the exhibition), we are reminded of the worldwide participation by the industries that use high frequency technology in all its forms. At every level from components to systems, the designers, manufacturers and consumers of the products you make are represented in every corner of the globe.

Although engineers around the world perform similar work to create products for international markets, there are plenty of differences in education, workplace attitudes and business practices. This is good—after all, there is never one perfect way to do things. At international conferences like EuMW, these differences are evident, and the attending engineers often learn as much about other professional practices as they do about the subject matter presented in the papers.

The emphasis on individual creativity in the U.S. and the same level of emphasis on teamwork in Japan are well-known. We are also familiar with the strength of manufacturing in Taiwan and the importance of higher education in India. The variety of styles among European countries gives the growing European Union a broad spectrum of capabilities and problem-solving approaches.

I have paid special attention to engineers in and from the countries of the former Soviet Union. Communist policies offered talented engineers an education and jobs, but limited the areas in which they could work. Over the past 15 years, some have become part of the new entrepreneur community in Russia, Ukraine, Lithuania and other former East Bloc nations. Many others left their homes and spread around the world, following opportunities to continue their chosen specialties in places where jobs and resources are available. I've know engineers from Poland, Romania, Russia and Bulgaria who have found success in Korea, Singapore, Ireland, and Australia, as well in Western Europe, the U.S. and Canada.

Creative engineering is everywhere. It's great to see pockets of excellence in corners of the world that are not so technologically prominent, such as South Africa, Indonesia, Pakistan, New Zealand, Brazil and Turkey. I'll make a special note of an active engineering community in Iran, which appears to be thriving despite economic and political sanctions from the U.S. and others, and a government that encourages values of the past over those of the future.

Of course, any discussion of this type must include China, where the rush to develop manufacturing capabilities is being followed closely by a similar urgency to develop technical education. This giant country is already a major economic force and seeks to become just as strong in the development of new technology.

At *High Frequency Electronics*, we enjoy making a contribution to the interaction among the world's diverse family of engineers. Like a good conference and exhibition, we take pride in helping bring ideas, products and people together.

### Looking Ahead to 2005

2005 promises to be a big year for this magazine!

First, we will reach the goal of monthly publication, making the next step from 10 issues in 2004. With strong support from advertis-

ers and enthusiastic acceptance and encouragement from readers, we have reached the milestone of being a monthly magazine.

Next, to support our growth, we are adding resources within our company that will allow us to keep growing. You can look forward to expanded content on our web site and greater public visibility as we travel to more conferences and visit more companies that serve the industry.

Our advertisers should note that we have applied for member-

ship in BPA Worldwide. This organization monitors our circulation and supports our efforts to further develop quality readership, as well as verify that readership to our community of advertisers.

Our 2005 Editorial Calendar is included in this issue, on page 69. Readers and advertisers can review the key subject areas we will cover next year (remembering that we'll explore many more topics than those on the list!).

### October Issue Preview

"New LDMOS Model Delivers Powerful New Transistor Library:  
Part 1 The CMC Model"

"A T-Network Loss Estimator"

"A Chip Antenna for WLAN and WPAN"

Technology Report: Baseband Digital Signal Processing

Product Highlights: Oscillators & Synthesizers, Optical Components