

THE BEEET



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Tucson Section General Meeting:

WEMS Electronics EMI/EMC Filter Technical Presentation

SPEAKER: David Stanis, General Manager
Filter Division, WEMS Electronics

LOCATION: University of Arizona, Room ECE
530

DATE: Tuesday November 22, 6:00 pm

Refreshments Provided (pizza and soft
drinks)

This talk will address the various types of
industry wide custom EMI filters both single
circuit components and multi-circuit filter
assemblies. Discussion will include Common
Mode and Differential Mode interference and
filtering techniques, MIL-PRF-28861 "S"
Level requirements and problems and a
review of EMI Filter Source
Control/Specification Control Drawings.

Show up for chance to win \$100 gift card!

BIOGRAPHY

David Stanis has over forty years of
experience encompassing all aspects of
EMI/EMC. After receiving his BSEE from
Southern Massachusetts University in 1972,
David went on to work for various companies
involved in both commercial and military
EMI/EMC testing and filter design. David
returned to California in 1973 and held the
position of EMC Test Engineer at NASA's Jet
Propulsion Laboratory in Pasadena California
working on the Viking spacecraft mission to
Mars and the Voyager spacecraft mission to

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Jupiter and Saturn. Upon conclusion of the
Voyager program David left JPL and went on
to work for Cornell-Dubilier Electronics Filter
Division, San Fernando Electric Filter Division,
AVX / US Microtek Filters and the Filter
Division of WEMS Electronics. Positions
included Engineering Manager, Manager of
New Product Development, Operations
Manager and Division Marketing Manager. This
vast experience provides David with a broad
in-depth knowledge of EMI/EMC
Requirements, EMI filter design and EMI filter
manufacturing. David retired in 2008 after
sixteen years as General Manager of the Filter
Division at WEMS Electronics. Although
retired, David continues to provide consulting
services to WEMS Electronics.

We won't be turning anyone away, but if you
have a chance, rsvp to joewu@ieee.org. It
helps to know how much pizza to buy.

Message From the Section Chair

By Joseph Wu

I'd like to invite everyone in the Tucson Section to participate in IEEE. In the last year, we've conducted activities for schools, the University of Arizona, the community, and for you, the membership. These activities are a great way to get involved in IEEE and show the impact of engineers in our community.

Before the end of the year, we'll be electing new officers, starting up a micromouse contest and a student paper contest at the U of A, starting our preparations for next year's Engineers Week, and organizing additional meetings. All of this is done on a volunteer basis.

We have a great core of volunteers but we could always use your help. I'm asking people to get involved. With more people the Tucson Section could do so much more for the membership and this community.

If you're interested in helping out or becoming an officer, contact us through the following website:

<http://www.ieee.org/tucson>

Become an IEEE Senior Member!

Do you want to become a senior member of the IEEE? The IEEE wants to promote qualified candidates to senior membership! If you have 10 years of professional experience of which five years of significant professional performance, you are qualified for a senior member upgrade. Educational experience such as a bachelor's degree in an IEEE-designated field counts 4 years to that number, a master's degree counts 5 years and a doctorate counts 6 years. In order to find out more, point your web browser to www.ieee.org and search for senior membership!

Senior Membership:

<http://www.ieee.org/web/membership/senior-members/>

Applications can be found online. You will need the references of three current senior members or fellows. If you need assistance, contact Joseph Wu at joewu@ieee.org.

IEEE Student Members....

Student Paper Contest and Micromouse Competition

The Tucson Section of the IEEE sponsors a Student Paper Contest and a Micromouse competition. Winners can win cash prizes and advance to regional contests and win extra money.

For the Student Paper Contest, entries will be judged by the content of the paper and an oral presentation.

For the Micromouse, teams of students will build a microprocessor controlled mouse to negotiate a maze to find the center.

These contests will be held in March or April of 2012 so stay tuned for details!

Keep Up with the Tucson Section: Join our email list!

The Tucson Section email list delivers the latest IEEE Tucson news right to your email box. To join, simply send an email to

listserv@listserv.ieee.org

Put the following in the body of the message:

[subscribe TUCSON-SECTION-ALL yourfirstname yourlastname](#)

You'll receive an email with instructions for confirming your new subscription.

Other News

Upcoming Conferences

2011 Topical Symposium on Power Amplifiers
for Wireless Communications
November 29-30, 2011
Tempe Mission Palms Hotel
Tempe, AZ, USA

2011 Winter Simulation Conference - (WSC
2011)
December 11-14, 2011
Grand Arizona Resort
Phoenix, AZ, USA

2011 78th ARFTG Microwave Measurement
Conference
December 1-2, 2011
Tempe Mission Palms Hotel
Tempe, AZ, USA

2012 IEEE International Workshop on Antenna
Technology "Small Antennas and
Unconventional Applications" (iWAT)
March 5-7, 2012
University of Arizona
Tucson, AZ, USA

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Electrical and Electronics Engineers
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General IEEE Information

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We need to hear from you!

How can we make IEEE a better organization? We can only do it with your help. As a volunteer organization, IEEE depends on your participation to accomplish all of our goals.

As you can see from this newsletter, there are lots of activities where you can actively contribute. Are you good at organization? Volunteer to head one of our Chapters or to help organize our general meetings. Want to show off or improve your internet skills? Volunteer to help with our Web site. Interested in promoting our field to the next generation of engineers? Help with Engineers Week, or as a judge for any of our student competitions.

Even if you only have a little bit of time, there's sure to be an IEEE opportunity that will interest you. Even if you have no free time at all, but have ideas for meetings or activities that promote engineering and the IEEE, let us know! We'd like to hear from you. Please contact Joseph Wu at joewu@ieee.org.

We're on the Web!

Visit us at:

<http://www.ieee.org/tucson>

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