

# THE BEEET



Bulletin of the IEEE Tucson Section

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## General Announcement:

## Tucson Engineers Week Activities: February 17 – 23, 2008

The National Engineers Week Foundation, a formal coalition of more than 75 professional societies, major corporations and government agencies, is once again sponsoring National Engineers Week in February. Engineers Week raises public understanding and appreciation of engineers' contributions to society. Founded in 1951 by the National Society of Professional Engineers, it is among the oldest of America's professional outreach efforts. Co-chairs for 2008 are IBM and the Chinese Institute of Engineers-USA.

Here in Tucson, our events are co-sponsored by IEEE Tucson section, American Institute of Aeronautics and Astronautics, American Society of Civil Engineers, the American Society of Professional Engineers, the Society of American Military Engineers, the Society of Mining Engineers, and a variety of local corporations. For more information about Engineers Week in general, see <http://www.eweek.org>.

### Tucson Mall Day

**DATE:** Saturday, February 16<sup>th</sup>, 2008  
10:00 am to 3:00 pm

**LOCATION:** Foothills Mall

The mall event includes lots of hands-on activities to interest school-age children in engineering. We can always use more volunteers to staff the IEEE booth at the Mall, or to participate in other Engineers Week events here and throughout Arizona.

We can use lots of help staffing our IEEE table, explaining our Jacob's Ladder, and talking about IEEE. For more information about IEEE Tucson section participation, contact Brenda Huettner at [bphuettner@ieee.org](mailto:bphuettner@ieee.org). For information about the overall Mall Day, contact Daniel Yu at [dyu@rsengineering.com](mailto:dyu@rsengineering.com).

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### Banquet

The Engineers Week Banquet will be held on Tuesday, February 19<sup>th</sup> at the Holiday Inn Palo Verde, beginning at 5:30. This event will include a raffle, awards, dinner, and a program, with proceeds going to support UofA student scholarships.

This year, we'll hear guest speaker Mr. Gene Giacomelli, the Director of Controlled Environment Agriculture Center at the University of Arizona. His topic is "CE for feeding the world, saving the world, and creating new worlds".

Ticket prices are:

\$65 per person

\$130 per couple

\$600 per table of 10

There are also a range of sponsorship opportunities. For more information about the banquet or about Tucson's Engineers Week, contact committee lead Geoff Bradmon at [gbradmon@castroeng.com](mailto:gbradmon@castroeng.com).

## Message From the Section Chair

By Joe Wu

Once again, a new year is upon us and IEEE is already planning activities for 2008. But again we'll need help from the membership.

First, I'd like to remind you to renew your membership if you haven't already. IEEE membership is a valuable asset at any stage of your career. If you're starting out, you may find a connection with someone who can give you advice to get ahead. Or, you may take advantage of the members-only pricing on IEEE member products and services.

You can renew online with your IEEE Web Account, at [www.ieee.org/renew](http://www.ieee.org/renew). If you have any questions or require assistance, please contact IEEE Member Services at [www.ieee.org/memberservices](http://www.ieee.org/memberservices). Be sure to

include your IEEE member number on all correspondence.

Second, I'd like to encourage everyone to get involved. All of the Tucson Section activities are put on by volunteers. We can always use more help to put on our activities. Use this opportunity to meet others in this profession, get involved, and learn more about electrical and electronics engineering.

Again, we've come to the beginning of a new year. Come out this year and get involved!

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

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

## Student Paper Competition

The IEEE student paper competition offers undergraduate student members the opportunity to exercise and improve both written and verbal communication skills. Engineers will be constantly called upon to communicate ideas to others throughout their careers. Researching, writing, and presenting a paper provides students with invaluable early experience in expressing ideas related to engineering. IEEE Tucson section awards first, second, and third place prizes to the best original student papers.

FIRST PRIZE: \$300

SECOND PRIZE: \$150

THIRD PRIZE: \$75

Submissions consist of two parts: a type-written paper on any engineering subject (due MARCH 22<sup>nd</sup>, 2008) and an oral presentation of that paper on March 29<sup>th</sup>, 2008. The written paper must be type-written, double-spaced, 12-point font, and no longer than 15 pages maximum. It must also meet the IEEE student paper guidelines outlined

(at the website below). You can also get a copy of the guidelines by requesting them from Brenda Huettner ([bphuettner@ieee.org](mailto:bphuettner@ieee.org)).

Papers must be submitted in either PDF or Microsoft Word format, and be submitted by email to [bphuettner@ieee.org](mailto:bphuettner@ieee.org) no later than March 22<sup>nd</sup>, 2008.

All oral presentations will be 15 minutes long plus a 5-minute question and answer period, and must be presented in person on March 29<sup>th</sup>, 2008. A computer will be provided for the contestants to use, since PowerPoint slides are the recommended approach.

The paper that wins first place in the local competition will automatically be submitted to the Southwest Area competition, which offers additional cash prizes. The winning entrant must be available to present their paper at that event here in Tucson, on April 12<sup>th</sup>, 2008.

*Student Paper Competition Deadlines:*

*Papers due 3/22/08; Oral Presentations on 3/29/08*

*Guidelines available at <http://www.ewh.ieee.org/reg/6/MemberStudentActivities>*

## IEEE Conferences

### ...In Tucson

The 2008 IEEE Nuclear and Space Radiation Effects Conference will be held at the JW Marriott Starr Pass Resort from July 14th through July 18th, 2008. For more information, see <http://www.nsrec.com>.

### ...In Phoenix

The IEEE Conference on Computer Communications will be held at the Hyatt Regency in Phoenix from April 13<sup>th</sup> through April 19th. For more information, see <http://ieee-infocom.org/2008>.

### ...Elsewhere in Arizona

The International Workshop Technical Committee on Communication Quality and Reliability will be held in Carefree, AZ, from April 29<sup>th</sup> through May 1<sup>st</sup>. For more information, see <http://www.ieee-cgr.org>.

### 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](mailto: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.

## Chapter News

### AP/MTT/Com/EMC

This joint chapter is formed from members of the Antennas and Propagation, Microwave Theory and Techniques, Communications, and Electromagnetic Compatibility Societies. There are approximately 150 members in these societies combined in the Tucson Section. We're currently looking for a new Chair for this Chapter. If you're interested, contact Joe Wu at [joe.wu@ieee.org](mailto:joe.wu@ieee.org).

### Computer Society Chapter

A chapter of the Computer Society is forming in the Tucson Section. If you're a member of the Computer Society, or just want to learn more about it, contact Andrew Gardner at [asg@ieee.org](mailto:asg@ieee.org).

### University of Arizona

#### Student Chapter

The student chapter at the University of Arizona has a motivated team of students, officers and advising faculty that take an avid interest in doing that "little bit extra" to gain an edge. Every year, they host a full schedule of activities and events, including the popular MicroMouse competition, a student paper competition, and much more.

To find out what's going on with the student chapter, check out their site at:

<http://www.uaieee.org/IEEE/>

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*We're on the Web!*

*Visit us at:*

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

## 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 or at 325-4781.

IEEE Tucson Section  
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Engineers Week Activities!

MALL DAY: Foothills Mall, February 19

BANQUET: February

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