

The **B E E T**

The Bulletin of Electrical & Electronics Engineers of Tucson

IEEE TUCSON SECTION MEETING AN OVERVIEW OF NEURAL NETWORKS

Date: Wednesday, November 30, 2005, 6:00 P.M.

Speaker: Dr. Brad Morantz

Place: AME S202, NE of Speedway and Mountain

We hear so much about neural networks, but what are they and what do they do? When do we use them? Where can we find one? Then what is an artificial Neural Network, and what is it good for? We hear it associated with artificial intelligence or AI. Is it really intelligent? Will it take over our planet? Will it change our lives?

Dr. Morantz has degrees in Electrical Engineering, Computer and Information Systems, and (Mathematical) Decision Science, as well as additional course work in Computer Science and Computational BioScience. He is currently staff scientist and senior member of the technical staff at SAIC. He has worked in defense, biomedical, consumer, and automotive electronics.

Dr. Morantz has published in the realm of neural networks and intelligent data analysis, with his most recent pub a chapter on automated anomaly detection in the Encyclopedia of Data Mining. He is currently back at work on time series forecasting using a weighted window neural network, a process which he developed.

Dr. Morantz is a senior member of the IEEE.

Conferences Coming to Tucson

The 32nd Annual Applied Reliability Testing Institute will be held in Tucson on May 8-11, 2006. It provides information on how to implement and manage the Design-for-Reliability process through testing. For course information on either, details, and registration fees, see:

<http://www.u.arizona.edu/~dimitri>

Feedback and Volunteering

We need to hear from you! We want to know what we can provide to make IEEE a better organization. If you have any ideas for meetings, any activities that promote engineering and the IEEE, let us know! We'd like to hear from you. Also, remember that we run this as a set of volunteers. If you put something into this organization, you can get much more out of it! We need you to help out! Contact us! Help out! Contact us!

Senior Membership

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 is 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!

Elections Coming for the Next Year

Get involved with IEEE in Tucson! The Tucson Section will soon have elections for officers for the coming year and the best way to get involved is to become an officer! If you want to see more than just the mailers and magazines, help us help you get it.

The Tucson Section also has standing committees whose chairperson is not elected, but is appointed by the Section Chairman. If you are interested in any of these positions or are interested in having a say in what the Tucson Section does, please notify Joseph Wu at joewu@ieee.org or at 325-4781.

Volunteers needed for Future City Competition

We have some middle schools in the Tucson area that are interested in competing in the Future City competition and we're looking for volunteers who are interested in helping to make it happen. For more information on the program and what it's all about visit the web site: www.futurecity.org. If you would like to get involved contact Tovan Adams - tovan@ieee.org or Keith Kendall - kendall_keith@ti.com.

Email and Electronic Support for IEEE

In case you didn't know, you can get email notices about meetings in the Tucson Section. Just check out the page in the Tucson Section Website: <http://www.ieee.org/tucson>. Also, if you want to change addresses, change a typographical error in your profile, or have problems with your subscriptions, you can solve those problems yourself! Send an email to one of the addresses listed below:

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General Information Call: 1-800-678-IEEE(4333)

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General IEEE Information

1-800-678-IEEE(4333)

Tucson Section Questions

joewu@ieee.org or 325-4781

Website:

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

**Tucson Section Meeting
Wednesday, November 30, 2005
6:00 PM, at the U of A
AME S202**

**(Northeast of Speedway and Mountain – Parking
available East of the AME building after 5 P.M.)**

Refreshments Provided

**Just find the link through our website and follow the
directions.**

Remember

- We're always looking for topics for general meetings, if you have an idea or a speaker in mind let us know!
- Also, check out the website at:

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

**There is an email mailing list for the Tucson Section. If
you want email notices, you can put yourself on the list.**