

## Mikio Takagi Student Prize

**EACH YEAR** one of the ways the IEEE Geoscience & Remote Sensing Society (GRSS) promotes student education and research in remote sensing technology is through its annual Student Paper Competition at the IEEE Geoscience and Remote Sensing Symposium (IGARSS). This selective program brings students from around the world together in an integrated program to present their work, not only to a technical audience, but also to a panel of judges. Through participation in the program, the students build their technical acumen and communication skills.

**BEGINNING IN 2007**, one of the many talented students participating in the annual Student Paper Competition will be singled out and awarded the *Mikio Takagi Student Prize*. Named in honor of a man who believed in the importance of the GRSS and education, the prize will be bestowed in recognition for paper content, originality, significance and quality of presentation. The prize will include a US\$500 honorarium and certificate.

**RECOGNITION OF STUDENT ACHIEVEMENTS** during the annual IGARSS is important, however a steady source of funding is still needed to fully endow the *Mikio Takagi Student Prize* fund. Help prepare the next generation of remote sensing professionals by making a gift.



**AS THE PHILANTHROPIC ARM OF THE IEEE**, the IEEE Foundation supports programs and projects that further the scientific and educational purposes of the IEEE.

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The IEEE Development Office is available to assist you in creating a gift plan and payment schedule to suit your needs.

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**Dr. Mikio Takagi**

1936  2006

**Mikio Takagi  
Student Prize  
Promoting the  
Future of the  
IEEE-GRSS  
&  
Honoring a Lifetime of  
Research, Development  
and Dissemination of  
Digital Signal and Remote  
Sensing Technology.**



# Preserving the Memory of a IEEE-GRSS Pioneer

## How You Can Help

**DR. MIKIO TAKAGI**, one of the most accomplished engineers in digital image processing and remote sensing technology passed away on February 2, 2006. Dr. Takagi is remembered for his lifetime of research, development and dissemination of digital image processing and achievements that span almost the entire spectrum of remote sensing.

Included in Dr. Takagi's numerous career highlights in the theory and application of digital image processing, were his service to academic society, industry and the general public. He also gave significant assistance to international standardization activities. Dr. Takagi was instrumental in the development of digital image input/output devices for the processing of digital images by computers.

Dr. Takagi also proposed a number of new image compression algorithms such as a facsimile data compression method based on two-dimensional prediction, a concept called hierarchical coding, and a data compression algorithm for high definition color pictures.

Dr. Takagi was also visionary in applying digital image processing for solving problems in various disciplines such as non-destructive inspection of industrial products, medical diagnosis and analysis, the monitoring of global environments, and space exploration.

**IEEE SPONSORED STUDENT RECOGNITIONS** stimulate greater student participation at IEEE Society conferences and encourages interaction between the students, faculty and practicing engineers. The ***Mikio Takagi Student Prize*** embraces these IEEE interests and purposes. This Student Prize was created in memory of Mikio Takagi through support from the Takagi family, friends and members of the IEEE Geoscience and Remote Sensing Society.



**Dr. Mikio Takagi, bottom left, pictured along with a group of admiring students, taken in 1994.**

By joining the Takagi Family and making a tribute gift to the ***IEEE Foundation – Mikio Takagi Student Prize***, you will not only be perpetuating the memory of Dr. Mikio Takagi and testifying to the meaningfulness of his life. You will also be helping GRSS establish a steady source of funding to offer worthy students travel grants to present their work at the annual IEEE Geoscience and Remote Sensing Symposium. Giving Opportunities include:

**Gifts of Cash** – Cash is one of the easiest and most direct ways to give. Checks may be made payable to the ***IEEE Foundation – Mikio Takagi Student Prize*** and mailed to IEEE Foundation.

**Online Gifts** – Making a safe and secure online gift has never been easier. Simply click on the “Donate Online” tab of our website located at <http://www.ieeefoundation.org>.

**Gifts of Securities** – A gift of appreciated securities held for more than one year may provide significant benefits to you as a donor. There are two ways to make a donation of securities: by Physical Delivery or through an Electronic Transfer Authorization. Contact the IEEE Development Office to discuss which method is right for you.

**Matching Gifts** – You may be able to double or triple the amount of your gift by taking advantage of your employer's matching gift program. Check with your human resources department to see if your company has such a program, obtain the form, fill it out and mail it in with your contribution.

**Planned Giving** – Planned gifts are a powerful way to ensure that the IEEE Foundation has the resources to provide for the next generation of engineers. The IEEE Foundation will work with you to integrate your charitable objectives with your estate plans.