

2003 IEEE Signal Processing Society Award Presented

The IEEE Signal Processing Society (SPS) congratulates the following SPS members who received the Society's prestigious awards during ICASSP 2004 in Montreal, Canada.

James H. McClellan and *Thomas W. Parks* received special recognition plaques from the Society marking their selection as the 2004 IEEE Jack S. Kilby Signal Processing Medal recipients. The medal itself will be presented to Dr. McClellan and Dr. Parks at the IEEE Honors Ceremonies. IEEE selected Dr. McClellan and Dr. Parks to receive the medal "for fundamental contributions to digital filter design and interpolation, especially the Parks-McClellan algorithm."

The Society Award honors outstanding technical contributions in a field within the scope of the SPS and outstanding leadership in that field. The Society Award comprises a plaque, a certificate, and a monetary award of US\$2,500. It is the highest-level award bestowed by the SPS. This year's recipient was *David C. Munson, Jr.*, "for exceptional contributions, both technical and in service, to the signal processing community."

The IEEE Signal Processing Magazine Award honors the author(s) of an article of exceptional merit and broad interest on a subject related to the Society's technical scope and appearing in the Society's magazine. The prize shall consist of US\$500 per author (up to a maximum of US\$1,500 per award) and a certificate. In the event that there are more than three authors, the

maximum prize shall be divided equally among all authors and each shall receive a certificate. This year, the IEEE Signal Processing Magazine Award awardees were: *Zhengdao Wang* and *Georgios B. Giannakis*, for their article "Wireless Multicarrier Communications," *IEEE Signal Processing Magazine*, vol. 17, no. 3, May 2000.

Two Technical Achievement Awards were presented this year, to *Johann Bohme* "for contributions to statistical signal and array processing" and to *Arogyaswami J. Paulraj* "for pioneering contributions to wireless communication systems, with emphasis to smart antenna technology and related signal processing techniques." The Technical Achievement Award honors a person who, over a period of years, has made outstanding technical contributions to the theory and/or practice in technical areas within the scope of the Society, as demonstrated by publications, patents, or recognized impact on this field. The prize for each awardee is US\$1,500, a plaque, and a certificate.

Two Meritorious Service Awards were presented this year, one to *Leah H. Jamieson* "for sustained contributions in SPS activities at all levels, for distinct achievements in SP education and research, and for contributions in promoting and supporting women students, engineers and faculty" and one to *José M.F. Moura*, "for outstanding and exemplary service to the SPS, its publications and committees." The award comprises a plaque and a certificate; judging is based on dedication, effort, and contributions to the Society.

The IEEE Signal Processing Society Education Award honors educators who have made pioneering and significant contributions to signal processing education. Judging is based on a career of meritorious achievement in signal processing education as exemplified by the writing of scholarly books and texts, course materials, and papers on education; inspirational and innovative teaching; and creativity in developing new curricula and methodology. The award comprises a plaque, a monetary award of US\$1,500, and a certificate. The recipient of the IEEE Signal Processing Society Education Award was *John G. Proakis* "for fundamental contributions to education through his books on digital communications and digital signal processing."

Four Best Paper Awards were awarded, honoring the author(s) of a paper of exceptional merit dealing with a subject related to the Society's technical scope and appearing in one of the Society's transactions, irrespective of the author's age. The prize is US\$500 per author (up to a maximum of US\$1,500 per award) and a certificate. Eligibility is based on a three-year window preceding the year of election, and judging is based on general quality, originality, subject matter, and timeliness. Up to four Best Paper Awards may be presented each year. This year, four Best Paper Awards were presented.

▲ *Thierry Blu* and *Michael Unser*, for the paper titled "Wavelets, Fractals, and Radial Basis Functions," *IEEE Transactions on Signal Processing*, vol. 50, no. 3, March 2002.

▲ *Tony F. Chan* and *Luminita A. Vese*, for the paper titled "Active Contours Without Edges," *IEEE Transactions on Image Processing*, vol. 10, no. 2, February 2001.

▲ *Jaume Riba*, *Josep Sala*, and *Gregori Vázquez*, for the paper titled "Conditional Maximum Likelihood Timing Recovery: Estimators and Bounds," *IEEE Transactions on Signal Processing*, vol. 49, no. 4, April 2001.

▲ *Jean-Jacques Fuchs*, for the paper titled "On the Application of the Global Matched Filter to DOA Estimation with Uniform Circular Arrays," *IEEE Transactions on Signal Processing*, vol. 49, no. 4, April 2001.

The Young Author Best Paper Award honors the author(s) of an especially meritorious paper dealing with a subject related to the Society's technical scope and appearing in one of the Society's transactions and who, upon date of submission of the paper, is less than 30 years of age. Four Young Author Best Paper Awards were presented this year.

▲ *Deniz Erdogmus*, for the paper co-authored with *Jose C. Principe*, titled "An Error-Entropy Minimization Algorithm for Supervised Training of Nonlinear Adaptive Systems," *IEEE Transactions on*

Signal Processing, vol. 50, no. 7, July 2002.

▲ *Ramon F. Bricch*, for the paper co-authored with *Abdelhak M. Zoubir* and *Per Pelin*, titled "Detection of Sources Using Bootstrap Techniques," *IEEE Transactions on Signal Processing*, vol. 50, no. 2, February 2002.

▲ *Aleksandar Dogandžić*, for the paper co-authored with *Arye Nehorai*, titled "Space-Time Fading Channel Estimation and Symbol Detection in Unknown Spatially Correlated Noise," *IEEE Transactions on Signal Processing*, vol. 50, no. 3, March 2002.

▲ *Constantinos B. Papadias*, for the paper titled "Globally Convergent Blind Source Separation Based on a Multiuser Kurtosis Maximization Criterion," *IEEE Transactions on Signal Processing*, vol. 48, no. 12, December 2000.

The newly created IEEE James L. Flanagan Speech and Audio Processing Technical Field Award was presented to *Gunnar Fant* and *Kenneth N. Stevens*. IEEE selected *Dr. Fant* and *Dr. Stevens* to receive the medal "for fundamental contributions to the theory and practice of acoustic phonetics and speech perception." This medal was founded and is sponsored by the SPS.

NEW & NOTEWORTHY

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O. CHRISTENSEN and **K. LAGHRIDA CHRISTENSEN**, both, *Technical University of Denmark, Lyngby, Denmark*

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L. DEBNATH, *University of Texas Pan American, Edinburg, TX* (Ed.)

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