

Digital Signal Processing

A Review Journal

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Cover photo. Plots of original ECG signal (blue line) and denoised version (red line) with different wavelet basis function under *HybridSureShrink* thresholding scheme. See the article by Singh and Tiwari in this issue.



Editorial

Welcome to the third issue of *DSP* for this year. Several exciting happenings in the signal processing world and very little space to cover them all summarizes our predicament. Murali attended the 2nd international conference on waveform diversity and design in Kauai, HI, in January 2006. This conference featured outstanding papers from theoreticians as well as practitioners reflecting cutting-edge technology and innovations in the field, which impact several DSP disciplines. Murali encouraged many authors at this conference to submit expanded versions of their papers to the *DSP* journal.

We extend a warm welcome to Professors Jian Li and Tapan Sarkar as new additions to the *DSP* editorial board. Professor Jian Li received the M.Sc. and Ph.D. in electrical engineering from The Ohio State University, Columbus, in 1987 and 1991, respectively. From April 1991 to June 1991, she was an adjunct assistant professor with the Department of Electrical Engineering, The Ohio State University. From July 1991 to June 1993, she was an assistant professor with the Department of Electrical Engineering, University of Kentucky, Lexington, KY. Since August 1993, she has been with the Department of Electrical and Computer Engineering, University of Florida, Gainesville, where she is currently a professor. Her current research interests include signal processing and its applications. Professor Li is a fellow of IEEE and a fellow of IEE. She is a member of Sigma Xi and Phi Kappa Phi. She received the 1994 National Science Foundation Young Investigator Award and the 1996 Office of Naval Research Young Investigator Award. She is currently an associate editor for *IEEE Transactions on Signal Processing* and an associate editor for *IEEE Signal Processing Magazine*. She is currently a member of the Signal Processing Theory and Methods (SPTM) Technical Committee of the IEEE Signal Processing Society. Professor Li is the director of the Spectral Analysis Laboratory of the Department of Electrical and Computer Engineering at University of Florida.

Professor Tapan K. Sarkar received the B.Tech. from the Indian Institute of Technology, Kharagpur, in 1969, the M.Sc.E. from the University of New Brunswick, Fredericton, NB, Canada, in 1971, and the M.S. and Ph.D. from Syracuse University, Syracuse, NY, in 1975. From 1975 to 1976, he was with the TACO Division of the General Instruments Corporation. He was with the Rochester Institute of Technology, Rochester, NY, from 1976 to 1985. He was a research fellow at the Gordon McKay Laboratory, Harvard University, Cambridge, MA, from 1977 to 1978. He is now a professor in the Department of Electrical and Computer Engineering, Syracuse University. His current research interests deal with numerical solutions of operator equations arising in electromagnetics and signal processing with application to system design. He obtained one of the “best solution” awards in May 1977 at the Rome Air Development Center (RADC) Spectral Estimation Workshop. He has authored or coauthored more than 280 journal articles and numerous conference papers and 32 chapters in books and 15 books, including his most recent ones, *Iterative and Self Adaptive Finite-Elements in Electromagnetic Modeling* (Artech House, Boston, MA, 1998), *Wavelet Applications in Electromagnetics and Signal Processing* (Artech House, Boston, MA, 2002), *Smart Antennas* (John Wiley & Sons, 2003), and *History of Wireless* (John Wiley & Sons, 2005). He received the Best Paper Award of the IEEE Transactions on Electromagnetic Compatibility in 1979, the College of Engineering Research Award in 1996, and the Chancellor’s Citation for Excellence in Research in 1998 at Syracuse University. He was an associate editor for feature articles of the *IEEE Antennas and Propagation Society Newsletter* (1986–1988). He was the chairman of the Inter-commission Working Group of International URSI on Time Domain Metrology (1990–1996). He was a distinguished lecturer for the Antennas and Propagation Society from 2000 to 2003. He is currently a member of the IEEE Electromagnetics Award board and an associate editor for *IEEE Transactions on Antennas and Propagation*. He is the vice president of the Applied Computational Electromagnetics Society (ACES). He is on the editorial board of *Journal of Electromagnetic Waves and Applications* and *Microwave and Optical Technology Letters*. He is a member of Sigma Xi and International Union of Radio Science Commissions A and B. He received

Docteur Honoris Causa both from Université Blaise Pascal, Clermont Ferrand, France, in 1998 and from Polytechnic University of Madrid, Madrid, Spain, in 2004. He received the medal of the *friend of the city of Clermont Ferrand*, France, in 2000.

Murali was selected as the recipient of the distinguished member award from the IEEE Boston Section in March 2006. This award is conferred each year on an individual who has been a member of the IEEE Boston section for at least 15 years, established a history of excellent contributions to an IEEE technical field of interest, and has made significant contributions to the IEEE Boston section. Murali will receive the award at the annual meeting of the IEEE Boston section in May 2006. Dr. Erçan E. Kuruoğlu, a member of the DSP editorial board, will be the guest editor for a special issue of the DSP journal on Bayesian source separation. Details of the special issue are available in the call for papers featured in this issue. We thank Dr. Kuruoğlu for his initiative in organizing the special issue. This issue features nine excellent articles devoted to various DSP themes. Without rambling on much longer, we'll let you enjoy reading!

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