

SPS Members Recognized with Awards

The IEEE Signal Processing Society (SPS) congratulates the following SPS members who are being recognized with the Society's prestigious awards during the International Conference on Acoustics, Speech, and Signal Processing (ICASSP) 2014 in Florence, Italy, on 4–9 May.

2013 IEEE SPS AWARDS TO BE PRESENTED IN FLORENCE, ITALY

The Society Award honors outstanding technical contributions in a field within the scope of the SPS and outstanding leadership within 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 IEEE SPS. This year's recipients are Al Bovik, "for fundamental contributions to digital image processing theory, technology, leadership and education" and Alan S. Willsky "for fundamental contributions to probabilistic modeling and for pioneering work in the development and application of multiresolution statistical methods."

Two Technical Achievement Awards are presented this year. Yonina Eldar will receive the award "for fundamental contributions to sub-Nyquist and compressed sampling, convex optimization, and statistical signal processing." Al Hero will be recognized "for information-theoretic advances in statistical signal processing and machine learning." The Technical Achievement Award honors a person who, over a period of years, has made outstanding technical contributions to 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 the award is US\$1,500, a plaque, and a certificate.

Two Meritorious Service Awards will be presented this year to Ali H. Sayed and Rabab Ward "for exemplary service to and leadership in the IEEE Signal Processing Society." The award comprises a plaque and a certificate; judging is based on dedication, effort, and contributions to the Society.

TWO MERITORIOUS SERVICE AWARDS WILL BE PRESENTED THIS YEAR TO ALI H. SAYED AND RABAB WARD "FOR EXEMPLARY SERVICE TO AND LEADERSHIP IN THE IEEE SIGNAL PROCESSING SOCIETY."

The SPS 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 writing scholarly books and texts, course materials, and papers on education; inspirational and innovative teaching; and creativity in the development of new curricula and methodology. The award comprises a plaque, a monetary award of US\$1,500, and a certificate. The recipient of the SPS Education Award is Dimitris Manolakis, "for fundamental contributions to education in signal processing and algorithms for adaptive filtering and hyperspectral target detection."

The IEEE Signal Processing Magazine Best Paper 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 comprises 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 Best Paper Award recipients are Zhou Wang and Alan C. Bovik for their article "Mean Squared Error: Love it or Leave it? A New Look at Signal Fidelity Measures," published in *IEEE Signal Processing Magazine*, vol. 26, no. 1, Jan. 2009.

Five 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 five-year window preceding the year of election, and judging is based on general quality, originality, subject matter, and timeliness. Up to six Best Paper Awards may be presented each year. This year, the awardees are:

- Amir Beck, Petre Stoica, and Jian Li, "Exact and Approximate Solutions of Source Localization Problems," *IEEE Transactions on Signal Processing*, vol. 56, no. 5, May 2008
- Matthew A. Herman and Thomas Strohmer, "High-Resolution Radar via Compressed Sensing," *IEEE Transactions on Signal Processing*, vol. 57, no. 6, June 2009
- Chunming Li, Chiu-Yen Kao, John C. Gore, and Zhaoxia Ding, "Minimization of Region-Scalable Fitting Energy for Image Segmentation," *IEEE Transactions on Image Processing*, vol. 17, no. 10, Oct. 2008

■ Robert W. Heath, Jr., Tao Wu, Young Hoon Kwon, and Anthony C.K. Soong, "Multiuser MIMO in Distributed Antenna Systems with Out-of-Cell Interference," *IEEE Transactions on Signal Processing*, vol. 59, no. 10, Oct. 2011

■ George E. Dahl, Dong Yu, Li Deng, and Alex Acero, "Context-Dependent Pre-Trained Deep Neural Networks for Large-Vocabulary Speech Recognition," *IEEE Transactions on Audio, Speech, and Language Processing*, vol. 20, no. 1, Jan. 2012.

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 under 30 years of 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. Three Young Author Best Paper Awards are being presented this year:

■ Yuejie Chi, for the paper coauthored with Louis L. Scharf, Ali Pezeshki, and A. Robert Calderbank, "Sensitivity to Basis Mismatch in Compressed Sensing," *IEEE Transactions on Signal Processing*, vol. 59, no. 5, May 2011

■ Kalpana Seshadrinathan, for the paper coauthored with Alan Conrad Bovik, "Motion Tuned Spatio-Temporal Quality Assessment of Natural Videos," *IEEE Transactions on Image Processing*, vol. 19, no. 2, Feb. 2010

■ Lin Li, for the paper coauthored with Anna Scaglione and Jonathan H. Manton, "Distributed Principal Subspace Estimation in Wireless Sensor Networks," *IEEE Journal of Selected Topics in Signal Processing*, vol. 5, no. 4, Aug. 2011.

One IEEE Signal Processing Letters Best Paper Award was awarded, honoring the author(s) of a letter article of

exceptional merit and broad interest on a subject related to the Society's technical scope and appearing in *IEEE Signal Processing Letters*. The prize shall consist of US\$500 per author (up to a maximum of US\$1,500 per award) and a certificate. To be eligible for consideration, an article must have appeared in *IEEE Signal Processing Letters* in an issue five years preceding the year of election. Judging shall be on the basis of the technical novelty, the research significance of the work, quality, and effectiveness in presenting subjects in an area of high impact to the Society's members. The recipient of the IEEE Signal Processing Letters Best Paper Award is

■ Gan Zheng, Kai-Kit Wong, Arogyaswami Paulraj, and Björn Ottersten, "Collaborative-Relay Beamforming with Perfect CSI: Optimum and Distributed Implementation," *IEEE Signal Processing Letters*, vol. 16, no. 4, Apr. 2009.

SP

CAMBRIDGE

JOURNALS

APSIPA TRANSACTIONS ON SIGNAL AND INFORMATION PROCESSING

Benefits of publishing in the journal

- Average submission to first decision time **less** than 2 months
- Average acceptance to publication time **less** than 1.5 months
- Peer-reviewed by international experts
- Global dissemination of your research

Submit your article
mc.manuscriptcentral.com/apsipa



journals.cambridge.org/sip



In partnership with the Asia-Pacific Signal and Information Processing Association (APSIPA)



CAMBRIDGE
UNIVERSITY PRESS