

2017 IEEE SIGNAL PROCESSING SOCIETY AWARDS



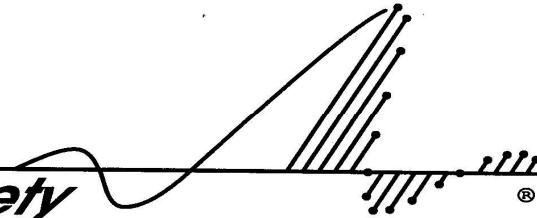
Signal Processing Society Best Paper Award



Jun Yu, Yong Rui and Dacheng Tao, "Click Prediction for Web Image Reranking Using Multimodal Sparse Coding", *IEEE Transactions on Image Processing*, vol. 23, no. 5, May 2014.

IEEE

Signal Processing Society



Signal Processing Society Best Paper Award



Chin Keong Ho and Rui Zhang, "Optimal Energy Allocation for Wireless Communications With Energy Harvesting Constraints", *IEEE Transactions on Signal Processing*, vol. 60, no. 9, September 2012.



Signal Processing Society Best Paper Award



Ossama Abdel-Hamid, Abdel-rahman Mohamed, Hui Jiang, Li Deng, Gerald Penn and Dong Yu,
"Convolutional Neural Networks for Speech Recognition",
IEEE/ACM Transactions on Audio, Speech, and Language Processing, vol. 22, no. 10, October 2014.



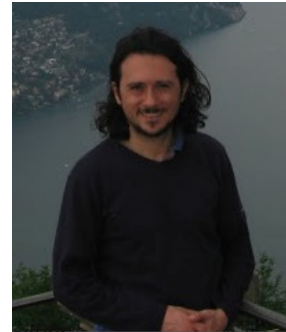
Signal Processing Society Best Paper Award



Cees H. Taal, Richard C. Hendriks, Richard Heusdens,
and **Jesper Jensen**, "An Algorithm for Intelligibility
Prediction of Time–Frequency Weighted Noisy Speech",
*IEEE Transactions on Audio, Speech, and Language
Processing*, vol. 19, no. 7, September 2011.



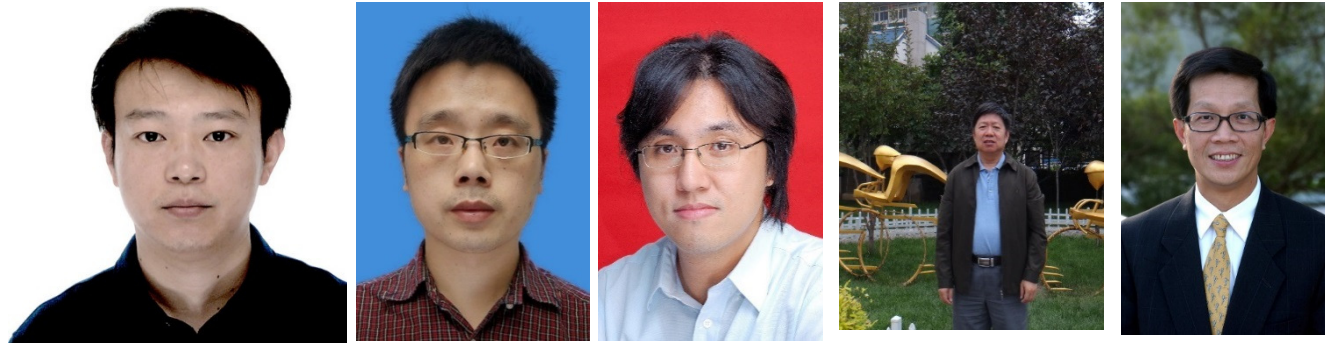
Signal Processing Society Best Paper Award



Jason T. Parker, Philip Schniter, and Volkan Cevher,
"2 Part Paper: Bilinear Generalized Approximate
Message Passing—Part I: Derivation; Part II:
Applications", *IEEE Transactions on Signal Processing*,
vol. 62, no. 22, November 2014.



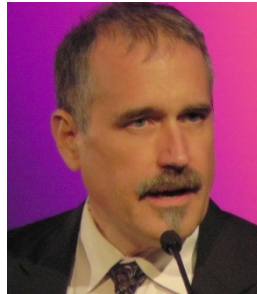
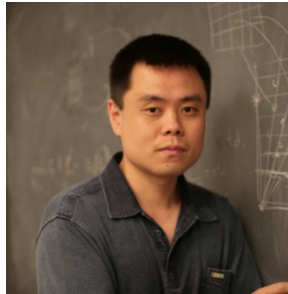
Signal Processing Society Letters Best Paper Award



Ye Yang, Qiang Li, Wing-Kin Ma, Jianhua Ge, and P. C. Ching, "Cooperative Secure Beamforming for AF Relay Networks With Multiple Eavesdroppers", *IEEE Signal Processing Letters*, vol. 20, no.1, January 2013.



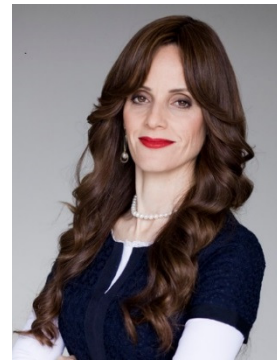
**Signal Processing Society
Sustained Impact Paper Award**



**Zhou Wang, Alan Conrad Bovik, Hamid Rahim Sheikh
and Eero P. Simoncelli, "Image Quality Assessment: From
Error Visibility to Structural Similarity", *IEEE Transactions on
Image Processing*, vol. 13, no. 4, April 2004.**



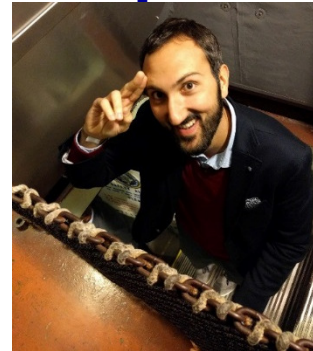
**Signal Processing Society
Overview Paper Award**



Marco F. Duarte and Yonina C. Eldar, "Structured Compressed Sensing: From Theory to Applications", *IEEE Transactions on Signal Processing*, vol. 59, no. 9, September 2011.



**Signal Processing Society
Young Author Best Paper Award**



Ahmed Alkhateeb and Omar El Ayach, for the paper co-authored with Geert Leus and Robert W. Heath, Jr., "Channel Estimation and Hybrid Precoding for Millimeter Wave Cellular Systems", *IEEE Journal of Selected Topics in Signal Processing*, vol. 8, no. 5, October 2014.



**Signal Processing Society
Young Author Best Paper Award**



Saiprasad Ravishankar, for the paper co-authored with Yoram Bresler, "Learning Sparsifying Transforms", *IEEE Transactions on Signal Processing*, vol. 61, no. 5, March 2013.



**Signal Processing Society
Young Author Best Paper Award**



Jack Ho, for the paper co-authored with Wee Peng Tay, Tony Q. S. Quek and Edwin K. P. Chong, "Robust Decentralized Detection and Social Learning in Tandem Networks", *IEEE Transactions on Signal Processing*, vol. 63, no. 19, October 2015.



**Signal Processing Society
Young Author Best Paper Award**



Yuanming Shi and Brendan O'Donoghue, for the paper co-authored with Jun Zhang and Khaled B. Letaief, "Large-Scale Convex Optimization for Dense Wireless Cooperative Networks", *IEEE Transactions on Signal Processing*, vol. 63, no. 18, September 2015.



Signal Processing Magazine Best Paper Award



**David I Shuman, Sunil K. Narang, Pascal Frossard,
Antonio Ortega, and Pierre Vandergheynst, "The
Emerging Field of Signal Processing on Graphs [Extending
high-dimensional data analysis to networks and other
irregular domains]", *IEEE Signal Processing Magazine*,
vol. 30, no. 3, May 2013.**



Signal Processing Magazine Best Column Award



Ronald W. Schafer, "What Is a Savitzky-Golay Filter?",
published in the *IEEE Signal Processing Magazine*, vol.
28, no. 4, July 2011.



“SP Cup” 2017 Global Student Competition
(Real-Time Beat Tracking Challenge)

20 countries participated

Grand Prize: \$5K cash + travel grants to ICASSP
Team "Beats on the Barbie"
University of New South Wales, Australia
Supervisor: Vidhyasaharan Sethu
Jeremy Bell, Max Fisher, Angus Keatinge, James Wagner

Thanks to Mathworks for generously supporting the SP Cup.



**Signal Processing Society
Meritorious Service Award**



K. J. Ray Liu

“for exemplary service to and leadership in the
Signal Processing Society.”



**Signal Processing Society
Technical Achievement Award**



Jelena Kovacevic
"for contributions to the theory
and practice of signal representations."

Bhaskar D. Rao "for fundamental
contributions to array processing
and sparsity-based signal processing."



IEEE
Signal Processing Society



Signal Processing Society Award



P. P. Vaidyanathan

“for pioneering contributions to signal processing
theory and education.”



Chapter of the Year Award

is being presented to

IEEE Signal Processing Society Gujarat Chapter

**“for providing its membership with programs,
activities, and services of the highest quality.”**



Ganesh N. Ramaswamy
Memorial Student Grant



Subhadeep Dey, Idiap Research Institute, Switzerland
with Petr Motlicek, Srikanth Madikeri, and Marc Ferras,
“Exploiting Sequence Information For Text-dependent
Speaker Verification”



Spoken Language Processing Student Travel Grant



Yuki Saito, The University of Tokyo, Japan
with Shinnosuke Takamichi and Hiroshi Saruwatari,
“Training Algorithm To Deceive Anti-spoofing
Verification For Dnn-based Speech Synthesis”



**IEEE James L. Flanagan Speech
and Audio Processing Technical Field Award**



Mark Y. Liberman,

“for pioneering contributions to and continued leadership in robust, replicable, and data-driven speech and language science and engineering.”



2017 IEEE Fourier Award for Signal Processing



Russell Mersereau,
“for sustained technical contributions to
multidimensional digital signal processing.”



**2017 IEEE LEON K. KRICHMAYER
GRADUATE TEACHING AWARD**



C.-C. Jay Kuo, “for inspirational guidance
of graduate students and curriculum development
in the area of multimedia signal processing.”



IEEE Jack S. Kilby Signal Processing Medal



2017 – Martin Vetterli,
“for fundamental contributions to advanced
sampling, signal representations, and multirate
and multiresolution signal processing.”



2017 Signal Processing Society Fellow



Raviraj Adve, Toronto, Canada, "for development of signal processing techniques for airborne radar."



2017 Signal Processing Society Fellow



Sos Agaian, San Antonio, Texas, “for contributions to biologically-inspired visual data processing systems.”



2017 Signal Processing Society Fellow



Lap-Pui Chau, Singapore, Singapore, “for contributions to fast computation algorithms for visual signal processing.”



2017 Signal Processing Society Fellow



Huaiyu Dai, Raleigh, North Carolina, “for contributions to MIMO communications and wireless security.”



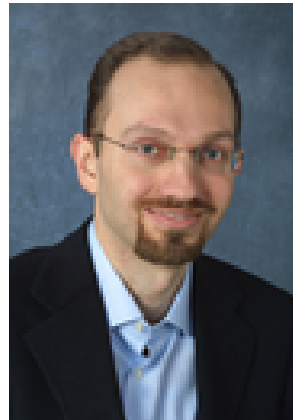
2017 Signal Processing Society Fellow



Jose Dias, Lisboa, Portugal, “for contributions to imaging inverse problems in remote sensing.”



2017 Signal Processing Society Fellow



Pier Luigi Dragotti, London, United Kingdom,
“for contributions to sparse signal representation
and sampling theory.”



2017 Signal Processing Society Fellow



James Fowler, Mississippi State, Mississippi, “for contributions to lossy source coding and dimensionality reduction of multidimensional data.”



2017 Signal Processing Society Fellow



Michael Gastpar, Lausanne, Switzerland, “for contributions to network information theory.”



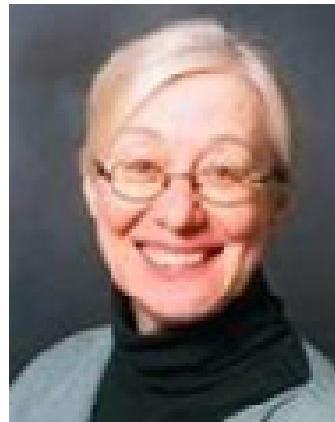
2017 Signal Processing Society Fellow



Uwe Hanebeck, Waldbronn, Germany, “for contributions to nonlinear estimation and control.”



2017 Signal Processing Society Fellow



Julia Hirschberg, New York, New York, “for contributions to text-to-speech synthesis and spoken language understanding.”



2017 Signal Processing Society Fellow



Yo-Sung Ho, Gwangju, Korea, “for contribution to video coding and 3D image processing.”



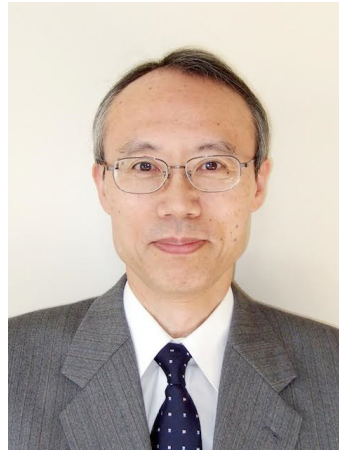
2017 Signal Processing Society Fellow



Tatsuya Kawahara, Kyoto, Japan, “for contributions to speech recognition and understanding.”



2017 Signal Processing Society Fellow



Takao Kobayashi, Yokohama, Japan,
“for contributions to expressive speech synthesis
based on a statistical parametric approach.”



2017 Signal Processing Society Fellow



Li Li, Beijing, China, “for contributions to intelligent transportation systems and vehicles.”



2017 Signal Processing Society Fellow



Yuanqing Li, Guangzhou, China, “for contributions to brain signal analysis and brain computer interfaces.”



2017 Signal Processing Society Fellow



Wing-Kin Ma, Shatin, Hong Kong, “for contributions to optimization in signal processing and communications.”



2017 Signal Processing Society Fellow



Enrico Magli, Torino, Italy, “for contributions to compression and communication of remotely sensed imagery.”



2017 Signal Processing Society Fellow



Srikantan Nagarajan, San Francisco, California,
“for contributions to neural engineering
and biomagnetic brain imaging.”



2017 Signal Processing Society Fellow



Panos Nasiopoulos, Vancouver, Canada,
“for leadership in DVD authoring and digital
multimedia technologies.”



2017 Signal Processing Society Fellow



Bhiksha Raj, Pittsburgh, Pennsylvania, “for contributions to speech recognition.”



2017 Signal Processing Society Fellow



Bhuvana Ramabhadran, Mount Kisco, New York,
“for contributions to speech recognition and
language processing.”



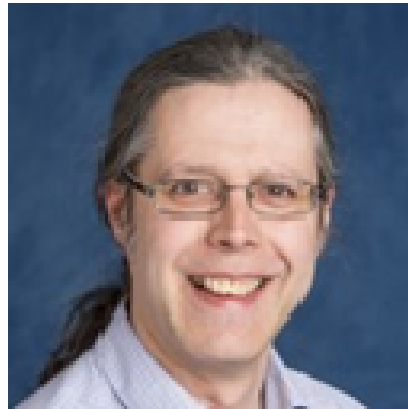
2017 Signal Processing Society Fellow



Gael Richard, Paris, France,
“for contributions to analysis, indexing and
decomposition of audio and music signals.”



2017 Signal Processing Society Fellow



Seb Savory, Ely, United Kingdom,
“for contributions to digital coherent
transceivers for optical fiber communication.”



2017 Signal Processing Society Fellow



Steven Smith, Lexington, Massachusetts, “for contributions to statistical signal processing and applications to radar and sonar.”



2017 Signal Processing Society Fellow



Yannis Stylianou, Cambridge, United Kingdom, “for contributions to speech analysis and communication.”



Welcome to ICASSP 2017

