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INNS Member Number: 947

Education:

1/88 – 8/91	**Ph.D.**, *Computer Science*, University of Southern California, Los Angeles. Dissertation Advisor: Prof. Michael Arbib.
9/83 – 7/86	**M.S.**, *Computer Science*, Beijing (Peking) University, Beijing. Thesis Advisor: Prof. Chochun Hsu.
9/79 – 7/83	**B.S.,** *Computer Science*, Beijing University, Beijing.

Selected Professional Positions and Services:

7/25 –	Professor, School of Data Science, The Chinese University of Hong Kong, Shenzhen, China
10/91 – 6/25	Professor (10/01 – 6/25)/Associate Professor (10/97 - 9/01)/Assistant Professor (10/91 - 9/97), Department of Computer Science & Engineering and Center for Cognitive and Brain Sciences, The Ohio State University, Columbus OH, U.S.A.
10/98 – 9/99	Visiting Professor, Department of Psychology, Harvard University, Cambridge MA, USA.
2011 –	Editor-in-Chief: *Neural Networks*.
2006	President: *International Neural Network Society*.
2004	Chair: *IEEE Computational Intelligence Society Neural Networks Technical Committee*.

Selected Awards and Honors:

IEEE Computational Intelligence Society Neural Networks Pioneer Award, 2025

Office of Naval Research Young Investigator Award, 1996

IEEE Fellow, 2004

IEEE Computational Intelligence Society Outstanding Paper Award, 2007

International Neural Network Society Helmholtz Award, 2008

IEEE Distinguished Lecturer, 2010-2012

OSU Distinguished Scholar Award, 2014

IEEE Signal Processing Society Best Paper Award, 2019

International Neural Network Society Ada Lovelace Service Award, 2020

ISCA Fellow, 2021

Selected Publications:

Terman D. and Wang D.L. (1995): "Global competition and local cooperation in a network of neural oscillators," *Physica D*, vol. 81, pp. 148-176.

Wang D.L. (2005): "The time dimension for scene analysis," *IEEE Transactions on Neural Networks*, vol. 16, pp. 1401-1426.

Wang D.L. and Brown G.J. (ed.): *Computational Auditory Scene Analysis: Principles, Algorithms, and Applications*. IEEE Press/Wiley, 2006.

Wang Y. and Wang D.L. (2013): "Towards scaling up classification-based speech separation," *IEEE Transactions on Audio, Speech, and Language Processing*, vol. 21, pp. 1381-1390.

Healy E.W., Yoho S.E., Wang Y., and Wang D.L. (2013): "An algorithm to improve speech recognition in noise for hearing-impaired listeners," *Journal of the Acoustical Society of America*, vol. 134, pp. 3029-3038.

Wang Y., Narayanan A. and Wang D.L. (2014): "On training targets for supervised speech separation," *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, vol. 22, pp. 1849-1858.

Williamson D.S., Wang Y., and Wang D.L. (2016): "Complex ratio masking for monaural speech separation," *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, vol. 24, pp. 483-492.

Wang D.L. (March 2017): "Deep learning reinvents the hearing aid," *IEEE Spectrum*, pp. 32-37 (cover story).

Wang D.L. and Chen J. (2018): "Supervised speech separation based on deep learning: An overview," *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, vol. 26, pp. 1702-1726.

Tan K., Wang Z.-Q., and Wang D.L. (2022): "Neural spectrospatial filtering," *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, vol. 30, pp. 605-621.

Kalkhorani V.A. and Wang D.L. (2024): "TF-CrossNet: Leveraging global, cross-band, narrow-band, and positional encoding for single- and multi-channel speaker separation," *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, vol. 32, pp. 4999-5009.