

**PUBLICATIONS**

**Chapters in Edited Books (9):**

Student co-authors are indicated by †


**Bulletins and Technical Reports (26):**


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27. S. Ahalt, “Characterizing the Propagation Medium using a Dual Polarized Communications Receiver,” NASA Final Project Report, August 1980


**Peer Reviewed Journal Articles (45):**

Student co-authors are indicated by †.


41. Stanley C. Ahalt, Prakoon Chen†, Cheng-Taou Chou†, Suresh Kuttuva†, and Thomas E. Little†, “The Neural Shell: A Neural Network Simulation Tool,” International Journal for Engineering Applications of Artificial Intelligence, Special Issue on Neural Networks and Parallel Processing, vol. 5, no. 3, pp. 183-192, 1992
42. Stanley C. Ahalt, Prakoon Chen†, Cheng-Taou Chou†, and Tzyy-Ping Jung†, “Implementation of a Vector Quantization Codebook Design Technique Based on a Competitive Learning Artificial Neural Network,” The Journal of Supercomputing, no. 5, pp. 307-330, 1992
44. Christopher Mills†, Stanley C. Ahalt, and Jim Fowler†, “Compiled Instruction Set Simulation,” The Journal of Software-Practice and Experience, vol. 21, no. 8, pp. 877-899, March 1991
45. Ashok K. Krishnamurthy, Stanley C. Ahalt, Douglas E. Melton†, and Prakoon Chen†, “Neural Networks for Vector Quantization of Speech and Images,” IEEE Journal on Selected Areas in Communication, vol. 8, no. 8, pp. 1449-1457, October 1990
46. Stanley C. Ahalt, Ashok K. Krishnamurthy, Prakoon Chen†, and Douglas E. Melton†, “Competitive Learning Algorithms for Vector Quantization” Neural Networks vol. 3 no. 3, pp. 277-290, May 1990

Editor Reviewed Journal Articles (4):

Student co-authors are indicated by †


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**Papers in Proceedings (89):**


12. Brian Guilfoos, Judy Gardiner, Juan Carlos Chaves, John Nehrbass, Stanley Ahalt, Ashok Krishnamurthy, Jose Unpingco, Alan Chalker, Laura Humphrey, and Siddharth Samsi, “Applications in Parallel MATLAB,” *HPCMP Users Group Conference (HPCMP-UGC’06)*


**Project Reports:**