

Stan Ahalt--Publications

Chapters in Edited Books:

Student co-authors are indicated by †

1. Honglin Li[†], Yi Zhao[†], José-Luis Sancho-Gómez, and Stanley Ahalt, “Annotation, Storage, Retrieval and Analysis of Digital Video,” *Integrated Media Communication Techniques*, J. F. Tasic, M. Najim, and M. Ansorge (eds), Kluwer, July 2003
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5. Aristedes S. Galanopolous[†], James E. Fowler, Jr.[†], and Stanley C. Ahalt, “Vector Quantization using Artificial Neural Network Models,” *Signal Processing in Telecommunications*, E. Biglieri and M. Luise (eds), Springer Verlag, London, pp. 346-357, 1996, (Invited and refereed)
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2. Dooley, R., et. al., “Sustainable cyberinfrastructure software: perspectives and priorities,” Coalition for Academic Scientific Computation (www.casc.org).
3. D. E. Hudak, T. Bitterman, N. Ludban, S. C. Ahalt, “Sustainable Software Ideas for the Next Generation Research Grid: Standards, Interoperability and Software Development,” Position Paper, *NSF Workshop on Sustainable Software*, Indiannapolis, IN, Mar. 26-27, 2009.
4. S. Ahalt, S. Graves, D. Keyes, H. Neeman, T. Sterling. *Final Report of the Arkansas Cyberinfrastructure Initiative External Advisory Committee*, January, 2008. <http://comp.uark.edu/~aapon/EACReportFINALv1.pdf>
5. Nehrbass, J. Chaves, S. Ahalt and A. Krishnamurthy, “MatlabMPI Compilation Technology Report,” submitted for publication on the *Online Knowledge Center (OKC)*, January 31, 2005
6. S. C. Ahalt, A. K. Krishnamurthy, J.W. Nehrbass, and J.C. Chaves, “Support for ATR Programs” *PA Document Number- ASC 04-1793*, Disposition Date-8 December 2004

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9. S. C. Ahalt and T. P. Jung' "Large Neural Networks: Simulation and Analyses," Final Report, *Cray Research, Inc.* April 1990
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2. Ma, Junshui†, Krishnamurthy, Ashok, and Ahalt, Stanley, "SVM Training with Duplicated Samples and its Application in SVM-based Ensemble Methods," *Neurocomputing*, vol. 61, pp. 4555-459, 2004
3. Aradhya, H. B., Bakshi, B. R., Davis, J. F., & Ahalt, S. C., "Clustering in Wavelet Domain: A Multiresolution ART Network for Anomaly Detection" *AICHE JOURNAL*. 50,(2004) 2455-2466.
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Project Reports:

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2. K. Krishnamurthy, S. C. Ahalt, J. W. Nehrbass, and J. C. Chaves, "High Productivity Computing for SIP," *PA Document Number - ASC 04-1758*, Disposition Date - 17 November 2004
3. S. C. Ahalt, A. K. Krishnamurthy, J. W. Nehrbass, and J. C. Chaves, "Support for ATR Programs," *PA Document Number - ASC 04-1793*, Disposition Date - 8 December 2004
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