

CURRICULUM VITAE

1. Name: Chiou S.Chen:

Professor and Chair, 2003-2008
Professor, 2008 -- present
Electrical and Computer Engineering Department
Miami University, Oxford, Ohio

2. Education:

B.S., Electrical Engineering, National Taiwan University
M.S.E.E., University of Rochester, Rochester, N.Y.
Ph.D., University of Rochester, Rochester, N.Y.

3. Experience:

Professor, Department Head of Electrical Engineering
Interim Engineering Dean
Interim Associate Vice President of Research and Technology
Transfer
University of Akron, Akron, Ohio 1968-1998
Cofounder of Quatech Inc. (1983-2000) and Azova, Inc. (2001-
2006)

4. Registration:

Registered professional engineer in Ohio

5. Selected Publications

Yung Fu Chang, C.S.Chen, Hao Zhou." Smart Phone for E-Commerce", Computer Standards and Interface, vol.32, No. 4, pp.740-747, June, 2009.

C.S.Chen,"Energy Sources and its Environmental Consequences", presented at ONR-EPRI workshop on Power System Engineering, July 7-11, 2008,Flagstaff,AZ.

C.S.Chen, Francis Chen, Cynthia F.Tielsch," Signal Conditioning", ISA InTech, pp. 72-73, March 2008.

C.S.Chen," Integrating Liberal Education and Engineering Profession in Capstone Course', National Capstone Conference, Boulder,Colorado, June 13-15, 2007.

C.S.Chen," Renewable Energy Projects for Engineering Freshmen NSF Sponsored Workshop on Reforming Electric Energy System, February 17-19, 2006, Orlando, Florida

C.S.Chen, Francis Chen, Cynthia F. Tielsch," Network Based Temperature Measurement System", 51st International Instrumentation Symposium, May 9-12, 2005 Knoxville, TN.

Y.F.Chang, C.S.Chen," Smart phone---the choice of client Platform for Mobile Commerce", Special Issue on Mobile Commerce, Computer Standards & Interfaces, Vol 27, No. 4, pp.329-336, April 2005.

J. Yang, Y. Xu, C.S. Chen, "Human Action Learning via Hidden Markov Model", IEEE Transactions On Systems, Man and Cybernetics, Vol. 27, No. 1, January 1997

J. Yang, Y. Xu, C.S. Chen, "Hidden Markov Model Approach to Skill Learning and Its Application in Telerobotics", IEEE Transactions on Robotics and Automation, Vol. 10, No. 5, October 1994, pp. 621-631.

J. Yang, Y. Xu, C.S. Chen, "Automatic Tuning of Phase-Lead and Phase-Lag Compensators", International J. Control, Vol. 60, No. 4, 1994, pp. 631-640.

J. Yuan, S. Ma, C.S. Chen, "Two-Level Decoding of (32, 16, 8) Quadratic Residue Code" IEEE Proceedings-I, Vol. 140, No. 6, December 1993, pp. 409-414.

J. Yang, C.S. Chen, "Model Reduction of Unstable Systems," Int. J. Systems Sci., Vol. 24, No. 12, 1993, pp. 2407-2414.

S. Ma, C. S. Chen, et al, "Decoding Complement-Closed Codes with Coordinate-Disjoint Decomposition," IEE Proceedings - I, Vol. 139, No. 5, October 1992, pp. 488-494.

J. Yuan, C.S. Chen, "Correlation Decoding of the (24, 12) Golay Code Using Neural Networks, IEE Proceedings - I, Vol. 138, No. 6, December 1991, pp. 517-524

C.S. Chen, K.S. Huo, "Karhunen-Loeve Method for Data Compression and Speech Synthesis," IEE Proceedings - I, Vol. 138, No. 5, October 1991, pp. 377-380.

C.F. Chen, C.S. Chen, "A 20-Bit Dynamic Range Floating Point Data Acquisition System," IEEE Transactions on Industrial Electronics, Vol. 38, No.1, February 1991, pp. 10-14.

J. Yuan, C.S. Chen, "Neural Net Decoders for Some Block Codes," IEE Proceedings, Vol. 137, Pt. 1, No. 5, October 1990, pp. 309-314.

J. Yuan, C.S. Chen, H. Zhou, "An ADM Speech Coding with Time Domain Harmonic Scaling," Advances in Speech Coding (Atal and

Gersho, editors) Kluwer Publishing Co., 1990.

F. Gurgun, C.S. Chen, "Speech Enhancement by Fourier-Bessel Coefficients of Speech and Noise," IEE Proceedings, Vol. 137, Pt. 1, No. 5, October 1990, pp. 290-294.

6. Research funding (last five years):

- (a) C.S.Chen," Mobile-Commerce Client Platform", Ohio Board of Regent Research Challenge Award, \$30,387.50, June 11 2004 to August 15, 2005.
- (b) C.S.Chen," Linus-Based Wireless Client Platform for Embedded System Application", Miami University Shouup Award, \$11,941, June 1 2004 to August 15, 2005.

7. Professional Society Membership::

Institute of Electrical and Electronics (IEEE), senior member
American Society of Engineering Education (ASEE)
Eta Kappa Nu
Sigma Xi
Tau Beta Pi