RESUME OF G. N. REDDY

Update 2.2, 8/23/2011

1. Personal Data

Associate Professor (Tenured)
Department of Elec. Eng.
Lamar University, Box: 10029
Beaumont, Texas 77710

Tel: 409 880-8754; Fax: x-8121

Email: gnreddy@lamar.edu

2. Education

Indian Institute of Technology, Madras, India	1982 Ph.D., Signal Proc.
Indian Institute of Technology, Madras, India	1976 M.S., Biomedical Eng
PSGCT, Coimbatore, India	1974 M.Sc.Eng. Electronics
JNT University, Hyderabad, India	1972 B.E., Electrical Eng

3. Professional Experience

Lamar University, Beaumont, TX	Associate Professor 1995 - present
Lamar University, Beaumont, TX	Assistant Professor 1990 - 1995
Michigan Tech University, Houghton, MI	Assistant Professor 1984 - 1989
LSU Medical Center, Shreveport, LA	Post-doctoral Fellow 1981 - 1983
Yale University, New Haven, CT	Post-doctoral Fellow 1979 - 1980

4. Scholarly Works in Publications

A. Book Chapter

Reddy, G. N. and D. M. Elmore (1989). Chapter 8: A CAD System to Design Microprogrammed Processors. In: G.W. Zobrist (ed.) Progress in Computer-Aided VLSI Design Volume I, Ablex Publishing Company, Norwood, NJ, pp. 283-302, 1989.

B. Book Manuscript For Publication

Reddy, G. N. (1998-2007). Artificial Neural Networks: Theory, Computer Simulation Programs, and Applications, Department of Electrical Engineering, Lamar University, Beaumont, Texas.

C. Journal and Conference Publications

1. Reddy, G. N. and R. Kalyana Krishnan (1977). A 8080 Based Digital Signal Averager for EEG Evoked Response Studies, 2nd Annual Biomedical Engineering Society Meeting, June 14-15,2000 Bangalore, India, pp. 48-50.

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Reddy, G. N and Wendell C. Bean. A Time Delay Neural Net Simulator To detect Time-Domain signals, IEEE-Fuzzy 2000, San Antonio, Texas May, 2000.

G. N. Reddy, Lan Yao, Wesley Broussard, W. C. Bean, and Bhaskar Yalamanchili (2001). A Visual Tool to Design Neuro-Fuzzy Controllers, IEEE-Fuzzy 2001, Melbourne, Australia, December 2001 (submitted).

G. N. Reddy, Manish Jain and Leo Pius. The Genetic Algorithms -- A Tutorial, Artificial & Computational Intelligence (ACI), September 25-27, 2002, Tokyo, Japan.

G. N. Reddy and Anirban Bhattacharjee. Genetic Algorithms for Physical VLSI Design, The 4th IASTED International Conference on MODELLING, SIMULATION, AND OPTIMIZATION (MSO-2004), August 17-19, 2004. Kauai, Hawaii. (Nominated for best paper award)

G. N. Reddy, Manish Jain, Parikshith Ginna, Sudheer Baddam. OnlineEducator 2.0: A Complete IT-Platform to Create, Administer, Analyze, and Transmit Online Exams**,** IASTED International Conference on "Computers and Advanced Technology in Education", CATE-2004, Kauai, Hawaii, August 16-18, 2004.

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G. N. Reddy, An EV-Simulator for Electric Vehicle Education, IEEE International Conference on Engineering Education, Kaula Lumpur**,** Malaysia, Dec 7-8, 2009.

6. Funded Research Grants as PI:

1. Back-propagation Neural Net Based Speech Recognition System, U.S. Army Res Fellowship, $14,200.
2. A Tool Set for Modular Construction of a Speaker Independent Isolated-word, U.S. Army, Res Fellowship, $9,200
3. Development of a Computer Model for Time-Delay Neural Network (TDNN): Consulting, U.S. Army: STAS, $24,500
4. Case Studies on Time-Delay Neural Network For Real-Time Speech Recognition, U.S. Army Res Fellowship, $17,200
5. AMOCO Equipment Grant, AMOCO, $8,000,
6. Preliminary Studies on Word-Spotting Using Artificial Neural Networks for Continuous Speech Recognition, U.S. Army Res Fellowship, $13,000.
7. Preliminary Studies on Phonetic Recognition Using Artificial Neural Networks, U.S. Army Res Fellowship, $10,500.
8. A Robust Target Tracking System Using Artificial Neural Networks, Res Enh Grant LU, $5,000.
9. Development of Advanced Navigational Guidance System: Consulting, Southern Avionics Grant, $22,000.
10. A Human-Like Image Recognition System, Res Enh Grant LU, $5,000.
11. Laying Head Temperature control Using Neural Networks -- Phase I: Consulting, North Star Steel Texas, $18,656
12. G. N. Reddy et.al. Fuel Cell Electric Vehicle Development: Phase I, Green Foundation, 1-1-06 to 12-31-07, $10,000.

7. MS/DE Thesis Advisor

Have advised over 25 MS-thesis and two DEs over the past 15 years.

8. Undergraduate/Graduate courses

Have taught nearly 10 different undergraduate and 15 different graduate courses over the past 15 years.

9. Consultant

Have consulted and worked for U.S. Army, Picatinny Arsenal, NJ for over 5 years.

10. CAD Tool Development

Have developed over 50 different CAD tools for teaching and research using variety of languages and tools over the past 15 years.