

## RESUME

### *LAWRENCE R. RABINER*

- ***Background***

- Lawrence R. Rabiner, married, 3 children
  - Born:* September 28, 1943, Brooklyn, NY
  - Home Address:* 58 Sherbrook Drive, Berkeley Heights, NJ 07922
  - Work Address:* Rutgers University, CAIP Center, CoRE Building, Room 728, 96 Frelinghuysen Road, Piscataway, NJ 08854

- ***Education***

- BS 6/64 Mass. Institute of Technology, Electrical Engineering
  - MS 6/64 Mass. Institute of Technology, Electrical Engineering; *MS Thesis* "Binaural Masking - The Effects of Interaural Delay of Noise on the Detection of Tones"
  - PhD 6/67 Mass. Institute of Technology, Electrical Engineering; *PhD Thesis* "Speech Synthesis By Rule - An Acoustic Domain Approach"

- ***Scholarship & Fellowships***

- New York State Regents Scholarship
  - New York State Science Scholarship
  - National Merit Semi-Finalist
  - National Science Foundation Fellowship, 1964-1967

- ***Work Experience***

- AT&T Bell Laboratories, 1962-1966, MIT Cooperative Student
  - AT&T Bell Laboratories, 1967-1985, Supervisor, Human-Machine Voice Communications Group
  - AT&T Bell Laboratories, 1985-1990, Head, Speech Research Department
  - AT&T Bell Laboratories, 1990-1995, Director, Information Principles Research Laboratory
  - AT&T Bell Laboratories, 1995-1996, Vice President, User Experience Research Division
  - AT&T Labs Research, 1996-1998, Speech & Image Processing Services Research Vice President
  - AT&T Labs Research, 1998-2002, Vice President, Research
  - Rutgers University, 2002-present, Professor II, Department of Electrical and Computer Engineering, Associate Director, Center for Advanced Information Processing

- ***Society Memberships***

- Institute of Electrical and Electronics Engineers (IEEE), 1962-Present
- Acoustical Society of America (ASA), 1964-Present
- National Academy of Engineering (NAE), 1983-Present
- National Academy of Sciences (NAS), 1990-Present

- ***Honor Societies***

- Eta Kappa Nu, Tau Beta Pi, Sigma Xi

- ***Society Service***

IEEE

- Editor Acoustics Speech and Signal Processing Transactions, 1973-1974
- Member, Digital Signal Processing Committee, 1967-1982
- Chairman, Digital Signal Processing Committee, 1972-1973
- President, Acoustics Speech and Signal Processing Society, 1974-1975
- Vice President, Acoustics Speech and Signal Processing Society, 1973
- Administrative Committee Member, Acoustics Speech and Signal Processing Society, 1974-1976
- Fellow Reference Committee, 1979-1982
- IEEE Proceedings Board, 1978-1982
- Member, Speech Committee, 1968-1973

ASA

- Member Technical Committee on Speech Communications, 1969-1973
- Executive Council, 1981-1983
- Vice President-Elect, 1993-1994
- Vice President, 1994-1995

NAS

- Chairman, Engineering Sciences Section, 1994-1996

- ***Outside Service***

- Consultant to Institute for Defense Analyses (IDA), Princeton, NJ, 1968-1983
- Member, IDA Focus Committee, 1981-1983
- Member, Air Force Studies Board (NRC), 1992-1994
- Member, NIST Computer Science Evaluation Panel, 1993
- Member, Technology Advisory Board, Tyco Electronics Inc., 2000-present

- ***Honors and Awards***

1. ASA Fellow, 1970
2. Paper Award of IEEE Group on Audio and Electroacoustics, 1971
3. Eta Kappa Nu Outstanding Young Electrical Engineer Award - Honorable Mention, 1972
4. ASA Biennial Award, 1974
5. IEEE Fellow, 1976
6. IEEE ASSP Achievement Award, 1978
7. IEEE Piore Award, 1980
8. IEEE ASSP Society Award, 1980
9. Election to National Academy of Engineering, 1983
10. IEEE Centennial Award, 1984
11. AT&T Bell Laboratories Fellow, 1989
12. Election to National Academy of Sciences, 1990
13. Speech Processing Magazine Award of the IEEE, 1994
14. AT&T Patent Award, 1995
15. AT&T Fellow Award, 1996
16. IEEE Millenium Medal, 1999
17. IEEE Kilby Medal, 1999

- ***Publications***

- Co-authored 4 Technical Books on Signal Processing
- Edited 2 Technical Reprint Volumes
- About 350 published technical articles
- About 30 patents