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Education

- **Rice University**
  M.S. in Electrical Engineering, May 1997
  Thesis Title: *A Model of the Aortic Baroreceptor in Rat*
  Thesis Advisor: John W. Clark

- **Cornell University**
  BSEE, May 1993

Experience

Rice University	Research and teaching assistant, 1993–present
Cornell University	Lab and teaching assistant, May–July 1993
Eastman Chemical Company	Summer technical employee, May–August 1992

Publications

- K.D. Alfrey, J.H. Schild, J.W. Clark, Jr., M.C. Andresen and D.L. Kunze, A model of the A-type aortic baroreceptor in rat. (*In preparation).*
- K.D. Alfrey, J.H. Schild, J.W. Clark, Jr., M.C. Andresen and D.L. Kunze, Sinusoidal frequency analysis of a nonlinear baroreceptor model. (*In preparation).*

Abstracts

1. K.D. Alfrey, J.H. Schild, J.W. Clark, M.C. Andresen and D.L. Kunze, Modeling the mechanisms of baroreceptor function. Society for Neuroscience, 27th Annual Meeting, 25–30 October 1997, New Orleans, LA, pg 146.
2. K.D. Alfrey, J.H. Schild, J.W. Clark, M.C. Andresen and D.L. Kunze, Mechanisms of baroreceptor function in rat. 1997 BMES Annual Fall Meeting, 2–5 October 1997, San Diego, CA.
3. K.D. Alfrey, J.H. Schild, J.W. Clark, M.C. Andresen and D.L. Kunze, A modeling study of aortic baroreceptor response. Fifteenth Annual Houston Conference on Biomedical Engineering Research, 13–14 February 1997, pg 3.

4. J.W. Clark, S.S. Demir, K. Alfrey, B. Amini and W.R. Giles, Hodgkin-Huxley Type Models of Pacemaking Cells in the Rabbit Heart, A-V Node Conference, 16–18 November 1996, Banff, Alberta, Canada.

5. K.D. Alfrey, J.H. Schild, J.W. Clark, M.C. Andresen and D.L. Kunze, A model of the aortic baroreceptor in rat. 1996 Texas Systems Day, 26 October 1996, Southern Methodist University, Dallas, TX.

6. K.D. Alfrey, J.H. Schild, J.W. Clark, M.C. Andresen and D.L. Kunze, A model of the aortic baroreceptor in rat. Fourteenth Annual Houston Conference on Biomedical Engineering Research, 8–9 February 1996, pg 8.

Honors, Awards, and Fellowships

- Predoctoral fellow, W. M. Keck Center for Computational Biology, 1997.