962-T1-357   **Prashant S Sansgiry** (`sansgirp@coastal.edu`), Department of Mathematics and Statistics, P. O. Box 261954, Coastal Carolina University, Conway, SC 29528-6054, and **Olcay Akman*** (`akmano@coastal.edu`), Department of Mathematics and Statistics, P.O. Box 261954, Coastal Carolina University, Conway, SC 29528-6054. *A study of Length-biased Distributions and Their Transformations.*

The length-biased distribution arises as a weighted form of a lifetime distribution, via a process which distorts the probability of observations being selected. Transformations of a distribution are necessary to generate random variates for a numerical simulation. In this talk we present the length-biased concept and also provide interesting transformations of some of the length-biased versions of the life time distributions. (Received September 12, 2000)