REFERENCES

- Giorgio C. Buttazzo. Hard Real-Time Computing Systems: Predictable Scheduling Algorithms and Applications. Springer Science & Business Media, September 2011.

Note: This reference provides foundational knowledge on hard real-time systems, which is crucial for understanding the environment in which the Deferrable Server (DS) algorithm operates. The book discusses predictable scheduling algorithms, including those that serve as a basis for the development of the DS algorithm.

- Giorgio C. Buttazzo. Predictable Scheduling Algorithm and Applications. In Hard Real-Time Computing Systems, pages 119–159. Springer and Business Media, 2005.

Note: This work by Buttazzo further elaborates on predictable scheduling algorithms. The detailed discussion on these algorithms aids in contrasting the DS algorithm with other scheduling techniques, emphasizing the unique benefits of the DS approach in real-time systems.

- The deferrable server algorithm for enhanced aperiodic responsiveness in hard real-time environments. Publisher: IEEE.

Note: This reference is directly related to the DS algorithm, detailing its application for improved aperiodic task responsiveness in hard real-time environments. It provides empirical data and theoretical analysis validating the DS algorithm's efficiency and reliability.

- J. K. Stronsnider, "Highly responsive real-time token rings," Ph.D. thesis, Carnegie Mellon Univ., Aug. 1988.

Note: Stronsnider's thesis introduces concepts of high responsiveness in real-time systems, which are relevant to the development and improvement of the DS algorithm. The techniques discussed in this thesis offer insights into achieving low latency and high efficiency in task scheduling.

- C. L. Liu and J. W. Layland, "Scheduling algorithms for multiprogramming in a hard real-time environment," JACM, vol. 20, no. 1, pp. 46-61, 1973.

Note: The seminal paper by Liu and Layland forms the theoretical backbone for many real-time scheduling algorithms, including the DS algorithm. It lays down the fundamental principles of rate-monotonic and earliest deadline first scheduling, against which the DS algorithm's performance and characteristics can be compared.

- J. P. Lehoczky, L. Sha, and Y. Ding, "The rate monotonic scheduling algorithm: exact characterization and average case behavior," in Proc. 10th IEEE Real-Time Syst. Symp., 1989, pp. 166-171.

Note: This paper provides an exact characterization and analysis of the rate monotonic scheduling algorithm, which is essential for understanding the limitations and potential enhancements that the DS algorithm addresses. The insights from this paper help in appreciating the modifications introduced by the DS algorithm for better aperiodic task handling.