

High-Speed Electrical Drives and Applications: A Review

Authors : Vaishnavi Patil, K. M. Kurundkar

Abstract : Electrical Drives play a vital role in industry development and applications. Drives have an inevitable part in the needs of various fields such as industry, commercial, and domestic applications. The development of material technology, Power Electronics devices, and accompanying applications led to the focus of industry and researchers on high-speed electrical drives. Numerous articles charted the applications of electrical machines and various converters for high-speed applications. The choice depends on the application under study. This paper goals to highlight high-speed applications, main challenges, and some applications of electrical drives in the field.

Keywords : high-speed, electrical machines, drives, applications

Conference Title : ICECECE 2024 : International Conference on Electrical, Computer, Electronics and Communication Engineering

Conference Location : Miami, United States

Conference Dates : March 11-12, 2024