

Disciplina: ACIONAMENTOS ELÉTRICOS INTEGRADOS

AEI	4 Créditos
Ementa:	Fundamentos de AEI; Aplicações de AEI; O estado da arte em AEI; Topologias de conversores aplicados aos AEI; Motores Elétricos aplicados nos AEI; Estratégias de modulação para AEI; Técnicas de controle para AEI; Tendências nos AEI.
Bibliografia	Krause Paul C Oleg Wasynczuk Scott D Sudhoff Steven Pekarek and Institute of Electrical and Electronics Engineers. Analysis of Electric Machinery and Drive Systems (version Third edition) Third ed. Hoboken New Jersey: Wiley. 2013. https://doi.org/10.1002/9781118524336 . Hayes John G and Gordon A Goodarzi. Electric Powertrain: Energy Systems Power Electronics & Drives for Hybrid Electric and Fuel Cell Vehicles. Hoboken NJ: John Wiley & Sons. 2018. https://onlinelibrary.wiley.com/doi/book/10.1002/9781119063681 . Pollefliet Jean. Power Electronics. Volume 2 Drive Technology and Motion Control. Amsterdam: Academic Press. 2017. https://www.sciencedirect.com/science/book/9780128146415 . Abad G. Power Electronics and Electric Drives for Traction Applications. Chichester West Sussex United Kingdom: John Wiley & Sons. 2016. https://public.ebookcentral.proquest.com/choice/publicfullrecord.aspx?p=4690014 Strangas E Clerc G Razik H Soualhi A. Fault Diagnosis Prognosis and Reliability for Electrical Drives: Fault Diagnosis Failure Prognosis and Their Effects on the Reliability of Electrical Machines Drives and Power Electronics. Hoboken NJ: John Wiley & Sons; 2022. doi:10.1002/9781119722823. Artigos em periódicos e revistas sobre o estado da arte em AEI.