A Survey on Advanced Methods of Control in Electrical Drive

The invention of the Field Oriented Control (FOC) and of the Direct Torque Control (DTC) were two important revolutionary milestones in the area of control for electrical drives. Since then, the further development of control schemes for electrical drives was an interesting field of research and both methods were enhanced and thoroughly investigated. Today the dynamics and precision of the commercial available systems is excellent and therefore a successful work in this area becomes extremely challenging. The researcher as well as the practitioner are overwhelmed by the huge number of publications and have a difficult task in finding out, which is the real state of the art and which are the advantages and the effort of implementation for the different schemes. The objective of the present tutorial is to give an overview of the state of the knowledge and especially of the acceptance of different control methods for electrical machines and for motion control in industrial applications.
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Occurences:  
· Einrichtungen > Fakultäten > Fakultät für Elektrotechnik und Informationstechnik > Lehrstühle und Professuren > Elektrische Antriebssysteme und Leistungselektronik (Prof. Kennel) > 2016 > Vorträge/Präsentationen
· Hochschulbibliographie > 2016 > Fakultäten > Elektrotechnik und Informationstechnik > Elektrische Antriebssysteme und Leistungselektronik (Prof. Kennel)

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