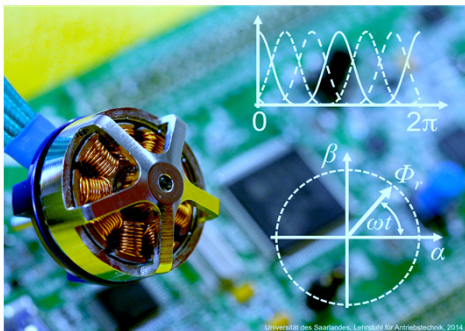


Motor as a Sensor

Integrated online condition monitoring for reliable and quality-efficient production

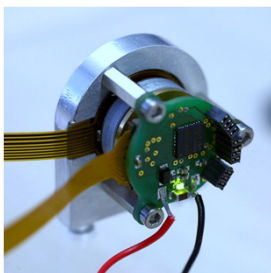
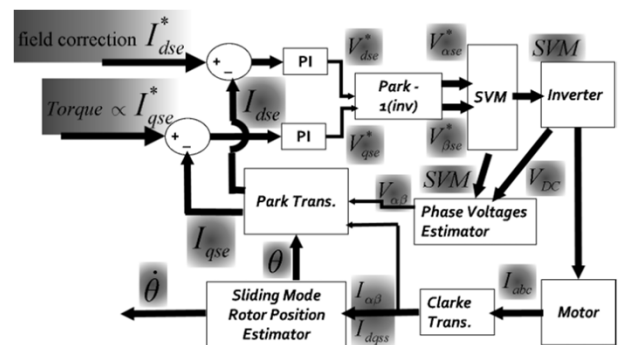


Analysis of Electrical Devices based on Sensorless Techniques

- Online measurement of the drive status through modern techniques based on HFCl and FRIC technology
- Condition monitoring and inspection achievable without the need of sensors

Robust Control and Estimation for Industrial Environments

- Robust control and estimation of electrical driver by means of Sliding Mode / H_infinity controllers and observers for reliable operation in industrial environments
- Analysis of the tradeoff between performance and robustness



Integration and Connectivity in relation to Industry 4.0

- Implementation on integrated and embedded drive systems
- Communication within an Industry 4.0 Network based on standard protocols

