



Fault tolerance in multiphase electrical machines

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- **Objectives**

- Field oriented vector control of multiphase induction machines (MPIMs)
- Detection of faults in MPIMs
- True fault tolerance with post-fault operation of remaining phases

- **Funding and collaborations**

- School of Electrical Engineering at KTH

- **Results so far**

- *Harmonic Plane Decomposition –An Extension of the Vector Space Decomposition –Part I* (Wu et. al, IECON,'20)
- *Harmonic Plane Decomposition –An Extension of the Vector Space Decomposition –Part II* (Falk Olson et. al, IECON,'20)
- Laboratory setup of multiphase induction machine test bench

