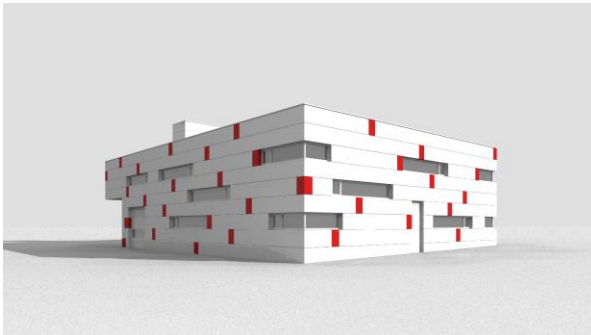


Selected Co-Operations

- European Centre for Power Electronics e.V.
- Research centres (at TU-Graz) on automotive engineering and vehicles safety
- Research centres (at TU -Graz) on energy systems
- Computation of forces in winding-overhangs of large generators
- Electric hybridization of special purpose vehicles
- 1 MHz AC-AC with ultra-low coupling capacitance
- Low-cost electric drives for consumer applications
- Design of power-electronics based active filters for the reduction of higher harmonics
- Realisation of a highly dynamic test rig for parameter tuning of a PM synchronous machine



Currently under construction: our new, modern teaching and research laboratory!

Institute of Electric Drives and Machines
GRAZ UNIVERSITY OF TECHNOLOGY

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Selected Publications

- Design aspects of conductive microfiber rings for shaft grounding purposes
- On a new type of inverter-induced bearing current in large drives with one journal bearing
- Efficiency determination of induction machines from start-up data
- 1 MHz AC-AC converter with low coupling capacitance for measurements of fast switching signals
- Dependency of an induction machine's main inductance on the supply frequency
- Advanced iteration method for the solution of magnetic equivalent circuits

