Research outputs:

A full 3D time-dependent electromagnetic model for Roebel cables
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

An HTS machine laboratory prototype
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Calculation of AC losses in HTS stacks and coils for large scale applications
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

Computation of Superconducting Generators for Wind Turbine Applications

Model and Simulation of a HTS Generator under transient response
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

Simulation of an HTS Synchronous Superconducting Generator
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

An improved FEM model for computing transport AC loss in coils made of RABiTS YBCO coated conductors for electric machines
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Coil Optimization for High Temperature Superconductor Machines
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Feasibility study of 5MW superconducting wind turbine generator
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

High Temperature Superconductor Machine Prototype
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

HTS machine laboratory prototype
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2011 › Research

Simulation of an HTS Synchronous Superconducting Generator
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2011 › Research

Towards Faster FEM Simulation of Thin Film Superconductors: A Multiscale Approach
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Coil Optimization for HTS Machines
Research output: Contribution to conference › Poster – Annual report year: 2010 › Research › peer-review
Multi-Pole HTS Generators for Direct Drive Wind Turbines
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2010 › Research

Superconducting generators for wind turbines: design considerations
Research output: Contribution to journal › Conference article – Annual report year: 2010 › Research › peer-review

Superconducting wind turbines
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2010 › Research

Towards faster FEM simulation of thin film superconductors
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2010 › Research › peer-review

Fast 2D Simulation of Superconductors: a Multiscale Approach
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2010 › Research › peer-review

Superconducting generators for wind turbines
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research › peer-review

Projects:

Computation of Superconducting Wind Turbine Generators
Project: PhD