

Science and Engineering Research Program 2020 Project Proposal

Hochschulbüro für
Internationales /
International Office

Uta Knoche/ Kristina Schmidt

Tel +49 511 762 2549
Fax
Uta.knoche@zuv.
uni-hannover.de

Kristina.Schmidt@zuv.uni-
hannover.de

institute: Institute of Electrotechnology

project title: Multi-physical simulation of induction hardening

project description: Our research field lies on induction heating, induction melting and electromagnetic material processing. In order to enhance these processes, numerical simulation can be used as a helpful tool. In this proposed student work, a multi-physical numerical model should be developed and, secondly, manually optimize.

required skills: Theory of electromagnetic fields, FEM

contact/ supervisor: baldan@etp.uni-hannover.de;
baake@etp.uni-hannover.de

MSc. Marco Baldan;
Prof. Dr.-Ing. Egbert Baake

Please return to Kristina Schmidt or Uta Knoche till 15th of November.