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, Finite Element Method, ANSYS

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

Please return to Kristina Schmidt or Uta Knoche till 31th of October.