TÜBİTAK 2244 – Industrial PhD Programme

**Sabancı University  TEI- TUSAŞ Engine Industries**

Throughout the program, the student will be guided by both an Academic Advisor from Sabancı University and an Industry Advisor from TEI- TUSAŞ Engine Industries.

**Academic Advisors:** [Bahattin Koç, Mehmet Yıldız]

**Research Topics:**
- Manufacturing Engineering
- Mechanical Engineering
- Metallurgical and Materials Engineering

**Related SU PhD Programmes:**
- Manufacturing Engineering

**Special application requirements for SU-TEI project:**
PhD Candidate shall have research interests and/or possess a reasonable understanding in one or more of the following fields:

- Computer-Aided Design and Manufacturing (CAD/CAM)
- Computational Design
- Additive Manufacturing
- Development of thermo mechanic models for directed energy deposition and selective laser melting additive manufacturing methods
- Development of innovative topology optimization methods for additive manufacturing processes.
- Development and planning of additive manufacturing / machining hybrid processes.
- Manufacturing of multifunctional – multimaterial structures with Directed Energy Deposition method
- Optimization of process parameters and identifying the material specs for manufacturing superalloys materials with additive manufacturing.
- Being a citizen of Turkish Republic

Please [click](#) for application