TUBITAK 3501 Project

Graduate Research Assistantship Positions

Multiple graduate scholarships are available for TUBITAK 3501 project titled "Modeling and Optimization of Grid-Integrated Energy Systems for the Demand-Side Management of Data Centers"

The funding is for two years and 2400 TL/month/student.

Responsibilities

The candidates will develop/use thermodynamic models to evaluate various energy systems that are part of data centers and particularly the power and cooling infra-structure. They will assist in the transient mathematical formulation of the thermal systems into an energy management system for the optimal utilization of resources. They are expected to actively participate in weekly research meetings and show steady progress in his/her activities related to the research project.

Requirements

- Enrolled graduate student (M.Sc. or Ph.D.)
- Mechanical Engineering or similar background with a focus on thermal systems.
- Proficient in Matlab

Preferences

- Full-time attendance and not being employed by another company/project
- Experience with data centers, cooling systems, transient heat transfer, modeling & optimization tools (e.g. TRNSYS, Modelica, Energy Plus)

Contact

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