

MS Researcher Positions

Distributed Algorithms for Solving Linear Equations in Multi-Agent Networks

Project:

The solution of systems of linear equations is an important problem that can be encountered directly or indirectly (linear approximations of non-linear systems), dating back hundreds of years. Although there are many techniques in the literature for solving these equations, solving the problem with the help of a central processor may not be possible for reasons such as the number of unknowns in the equation being too large (in the orders of tens of thousands, hundreds of thousands or millions) or equations appearing in physically far apart systems. The main objective of the project is to design and develop scalable algorithms that can solve linear algebraic equations in a distributed manner.

Profile:

- You have an undergraduate degree in electrical engineering, computer engineering, or in a related discipline.
- You have a strong interest in scientific research.
- A strong mathematical background is desired.
- You are motivated, enthusiastic, and eager to learn.
- You are fluent in English.
- You are independent, flexible, and have good organizational skills.

Offer:

You will work in a stimulating and challenging work environment with a high degree of flexibility and autonomy. TÜBİTAK scholarships are available for **two MS students**. The monthly stipends are **2.200TL/month**.

Interested?

For more information please contact **Asst. Prof. Onur Cihan** (onur.cihan@marmara.edu.tr). All applications require a **resume** and **copies of undergraduate/graduate transcripts** and a **motivation letter**. Search will continue until all positions are filled.