



AI Modelling and Control Engineer – Communication Systems

Job Description

As STM's Artificial Intelligence and Data Fusion group within Autonomous Systems, we deal with challenging problems in autonomous systems, design and employ state-of-the-art methods to tackle them. We are looking for a passionate Artificial Intelligence / Robotics / Control engineer for modelling - simulation and intelligent control algorithm development tasks in autonomous vehicles/systems.

Responsibilities

The ideal candidate should be comfortable making significant contributions in a few of the following categories:

- Research and deploy distributed/adhoc communication networks.
- Research and deploy Aerial Vehicle Communication and Networks.
- Rapid prototyping and simulation of Mobile Ad-Hoc Networks.
- Research and develop modelling and numerical simulation of Aerial Vehicle Communication and Networks.
- Research and develop Mobile Ad-Hoc Networks.
- Research and develop Flying Ad-Hoc Networks.
- Stay on the cutting edge, maintaining a keen understanding of innovative technologies in the Robotics and Artificial Intelligence field.

Minimum Qualifications

- Fast Hardware Prototyping Skills.
- Expertise and deep understanding of
 - Aerial Vehicle Communication and Networks
 - Mobile Ad-Hoc Networks
 - Flying Ad-Hoc Networks
 - Wireless Sensor Networks
 - Advanced Data Links (ADL)
- Expertise and deep understanding of distributed communication networks
- Experience with Linux.

- Proficiency with MATLAB and Simulink.
- Collaborative, positive, team-oriented mindset.

Preferred Qualifications

- Expertise and Deep Understanding of Aerial Vehicle Communication and Networks
- Deployment and Configuration Experience in Aerial Vehicle Communication and Network Hardware
- Expertise of Mobile Ad-Hoc Networks
- Expertise of Flying Ad-Hoc Networks
- Expertise of Wireless Sensor Networks
- Expertise of Advanced Data Links (ADL)
- M.S. or PhD in related field (preferred)

Please send your Resume/CV to udemirezen@stm.com.tr if you are interested.