Dear Prof. Eren,

I am Kadir Cimenci and I’ve just got my Master’s degree from Middle East Technical University, Ankara, Turkey. I was working at control systems department of Electric and Electronics faculty. My Master’s cumulative GPA is 3.86 and I’ve worked with Prof. Dr. Aydan Erkmen who is very successful and well known scientist about robotics and control systems in Turkey.

I am working in defense industry almost 5 years with different responsibilities including robotics, embedded software and control system design etc. In my previous job experience at HAVELSAN Inc., I was been working as an electronics design engineer. I was responsible for sensor fusion algorithms and designing control systems for a micro unmanned air vehicle (micro UAV). In another project(kopuk mu??), I have designed pattern recognition algorithms to detect and classify (people, animal and vehicle etc.) intrusions to a secure zone with the help of unattended ground sensors like seismic, passive infrared etc. Currently, I’m working in Turkish Aerospace Industries (TAI inc.) as a senior design engineer. Here, I’ve been working in a project in which I’m developing navigation&autopilot algorithms and state estimation algorithms for a MALE UAV. Also I have a project about system identification of a small scaled air vehicle with the help of real time flight datas. Besides my professional career, I’m an active drone user and developer of Paparazzi Project which is an international open-source drone hardware and software project encompassing autopilot systems and ground station software for micro UAVs. In Paparazzi, I have developed sensor fusion algorithms for AHRS and INS systems and I have implemented autopilot and navigation algorithms. In short, I can say that I know lots of things about robotics and control systems and their applications in real time.

I got my Electronics engineering Bachelor’s degre (dogru mu??) from Istanbul Technical University which is one of the best technical universities in the country. I got double major degree from Mechanical engineering as well. I was honor student during my Bachelor’s. In my thesis project on Electronics engineering Bachelor's degree, I have designed an attitude estimation and control system for a model helicopter with the help of MEMS. In my thesis project on Mechanical engineering Bachelor's degree, I have designed a position control system for a robot manipulator with the help of shape memory alloy type actuators and visual feedback systems.

My thesis project in Master's degree is dynamic formation control with heterogeneous agents. In this project, I have implemented a formation control system based upon a partially decentralized topology within a swarm. This swarm is composed with heterogeneous agents from different physical and dynamical properties. Also I have implemented a local positioning system to provide position data to the agents which do not have a position measurement sensor onboard. I have made some hardware demonstrations to illustrate the applicability of the proposed solutions in real time systems. I'm about to finish(finish or submit?) my paper named “Dynamic formation control of heterogeneous mobile robots”.

During my education on both Bachelors and Master of Science degrees, I have ders almak?? lectures related with control system design, system dynamics&identification, robot navigation and path planning. I have always tried to test&verify my designs in real time systems to show that the proposed solutions can be implemented in real time environments. This approach gives me insight about the problems which can be encountered during implementation phase. Also it motivates me to see the outputs of my working system in physical world.

Not: Bu paragrafi sona tasiyinca daha derli toplu oldu sanki ciko sen ne dersin? (Etiketlere gore her hocaya farkli bir ya da iki paragraf buraya gelecek)

I simply love regenerative medicine and tissue engineering. I'm extremely

interested in your skeletal myogenesis studies and for me, following the

signaling mechanisms behind it is very exciting.

Upon coinciding with your absorbing research topics I couldn’t help myself but to contact your lab for an open position, if any available. Working interdisciplinary is my dream and I really want to improve myself by working with you. I'm extremely

interested in .... I can say that I'm also very responsible and hardworking student.

I believe working at your lab would bring me closer to my dream of building a solid scientific career and conduct meaningful research. Also my background with my Bachelor’s, very productive Master’s period and my industrial experience would help me contribute to your work on several counts. I always focus on availing myself of all possible opportunities to achieve greater success.

For this reason I really want to apply for a PhD position, if any available. I am enclosing my CV and if you require anything else I am ready to provide them. I appreciate your consideration and look forward to hearing from you.

Best Regards