

ALİHAN KAYA

Univ. Tel: +90 216 483 23 23

Cellular: +90 533 620 23 79

E-mail: alihankaya@sabanciuniv.edu

PERSONAL DETAILS:

Permanent Address: Atatürk Mh. Ataşehir Blv. Ata Blok 2-4 D:233 ATAŞEHİR/IST
Phone: +90 533 620 2379
Place/Date of birth: İzmir, Turkey; Apr. 25, 1988
Gender: Male
Nationality: Turkey (TC)
Driver's License: B

OBJECTIVES:

My professional intentions are to pursue my own or collaborative scientific projects in the field of micro scale flow cooling applications which would be funded by TUBITAK or EU Research Grants. On the other hand, I'll maintain my interest in worldwide youth democratization and development policy via NGO's that I am already a member of, by also pursuing international projects eventually.

EDUCATION:

- **2010-2012:** Mechatronics Master's Program, Faculty of Engineering & Natural Sciences (FENS), Sabanci University (SU), Istanbul/Turkey
- **2010-2012:** International Trade Open Program: Department of Marketing & International Trade, Anadolu University, Eskisehir/Turkey
- **2010 Spring Semester:** Exchange Student, Universiteit Gent, Faculty of Economics and Business Administration, Ghent/Belgium
- **2005-2010:** Bachelor of Mechatronics Engineering Program, Faculty of Engineering & Natural Sciences (FENS), Sabanci University (SU), Istanbul/Turkey
Current GPA: 2.78/4.00, Senior
- **2002-2005:** Bursa Science High School, Bursa/Turkey

WORK EXPERIENCE:

- **May 2011 – Ongoing:** Youth Agenda Association, Istanbul, Turkey
Description: I am currently working there as a project coordinator.
- **August 2009 – September 2009:** Institute of Automotive Engineering at Braunschweig University of Technology, Braunschweig, Germany
Description: Performed a technical internship for two months, by means of taking part in various projects of the research institute.
- **March 2009 – May 2009 :** SU Alumni Office Call Center, Istanbul , Turkey
Description: Calling the SU graduates for updating the alumni information.

- **July 2008 – Ongoing:** Bilen Patent Industrial Property Services, Bursa, Turkey
Description: Working as a patent researcher and freelance translator in Turkish, English, German. Performing technical patent, product brochure and website translations.
- **May 2006- 2010:** Sabanci Performing Arts Center (aka SGM) , Istanbul, Turkey
Description: Assistant of SGM Coordinator, Nalan Aydın. Welcoming of the guests and artists, orientation of performers in SGM and Istanbul, translation services in both English and German for foreigner artists and, and coordination of the seat distribution, technical issues, as well as backstage works.

ACADEMIC PROJECTS:

- **FENS Faculty Project: “Breaking the World Record of Cooling by Flow Boiling in Microtubes Subjected to High Mass Flux of Refrigerant”.**
Supervisor: Asst. Prof. Ali Koşar
Description: This project foresees a break in world record of cooling with microscale flow boiling application.
- **TUBITAK project: “Improvements in Microchannel Flow Boiling Instabilities and Heat Dissipation Efficiency”**
Supervisor: Asst. Prof. Ali Koşar
Description: The government funded research project foresees a world record in microchannel heat dissipation cooling via flow boiling concept. One conference paper is published, and the journal paper is pending.
- **TUBITAK project: “Microscale Flow Manipulation of a Magnetic Fluid via Magnetic Field”**
Supervisor: Asst. Prof. Ali Koşar & Asst. Prof. Burç Mısıroğlu
Description: The government funded research project includes production of nanoparticles and a setup for controlling the magnetic liquid’s motion. Future prospects are clinical applications. Several academic papers are to be published.
- **Human Factor System Design Course – “Improving the Ergonomic State of a Worker’s Task in Volvo Factory in Ghent”**
Supervisor: Prof. Thurmon Lockhart
Description: Project consists of examining and solving a particular problem at the assembly task of a worker from the aspect of possible health problems and safe workspace.
- **Graduation Project – “Design of a Drug Delivery System”**
Supervisor: Asst. Prof. Ali Koşar
Description: Designing and developing a medical device for drug delivery applications by performing the production of the device with project group members and literature-patent research about the state of art. A patent for the product is pending.
- **Biomedical Instrumentation Course – “Setting up an ECG device”**
Supervisor: Asst. Prof. Ayhan Bozkurt
Description: Project consists of designing a bioamplifier for ECG in the SU Microelectronics Laboratory.

ACHIEVEMENTS & AWARDS:

- SU Success Scholarship for 5 years; given after the placement 3124 out of 1.671.726 in the 2005 university exam.
- Voluntary Participation Certificate in Alternative Camp Summer 2005, İzmir
- SU Certificate of Honor, 2006-2007 and 2008-2009, given by dean of engineering faculty.
- SU Extracurricular Activities Award, 2006-2007 and 2008-2009
- Goethe-Institut Munich B2 German Language Course Certificate, 2008
- Placed 2nd in “ Istanbul 18th Japanese Speaking Contest” , 2009

- Awarded with EU Erasmus Exchange Grant for 5 months, 2010
- Ghent University - Low Country Studies Post-Curricular Activity Certificate , 2010
- SU Master's Program %100 tuition waiver, 2010-2012
- TUBITAK research grant, 2010-2012

CIVIC INVOLVEMENT PROJECTS (aka CIP):

- SU CIP Project Volunteer; “Restoring Cultural Heritage” Project (2009-2010), Istanbul/Turkey
 Function: Taking part in restoration processes of various historic remains of Istanbul old town.
- Member of the organization team of “Hıdırellez Festivali - 2009”, İstanbul/Turkey
 Function: Finding sponsors for the festival and coordination of the festival field, by making cooperation with Istanbul Metropolitan Municipality and Hotel Armada.
- SU CIP Project Supervisor; Helping Primary School Children (2008-2009), Kocaeli/ Turkey, and (2007-2008), Istanbul/ Turkey
 Function: Leading a group of 15 volunteers and working with primary school children to enhance their social awareness and discover their potentials.
- SU CIP Project Volunteer; “Discover Yourself” Project (January 2007), Urfa/ Turkey, and (February 2008), Giresun/ Turkey
 Function: Under the name of “CIP - Discover Yourself” project, worked with the elementary school children in particular areas of Turkey, for enhancing their social awareness and discover their capabilities by means of organizing winter holiday camps.
- SU CIP Project Volunteer; Helping Primary School Children (2005-2006), Istanbul/ Turkey
 Function: Member of a group of 15 volunteers and working with primary school children to enhance their social awareness and discover their potentials.
- “Alternative Camp” (Summer 2005), Izmir/Turkey
 Function: As a voluntary group, helping the young handicapped people to feel themselves as a part of the society, by playing games and performing group activities, also giving the opportunity to do scuba diving.

COMPUTER & LANGUAGE SKILLS:

- MS Office Applications (Advanced), SolidWorks (Advanced), MATLAB (Advanced), RhinoCeros 4 (Advanced), COMSOL 3.5 (intermediate), SolidCAM (intermediate), C++ (intermediate), MS Vidual Basic (intermediate), Simulink (intermediate), Simatic PLC (Intermediate), Adobe Premiere Pro (intermediate), Macromedia Flash (intermediate)
- Languages:
 Turkish (native language), English (advanced), German (advanced), Dutch (intermediate), Japanese (intermediate), French (intermediate), Russian (Beginner)

CONFERENCES & SEMINARS & TRAININGS:

- 11-17 October – EU Project Writing Training, Şile, Istanbul (Türkiye Ekonomistler Platformu)
- 22-24 August – 3rd Micro and Nano Flows Conference, Thessaloniki, Greece (Brunel University)
- 07-14 July – EU Youth Policy and Project Writing Seminar, Ghent, Belgium (Belgian National Agency)
- 21-26 May – EU Project Writing Training, Bodrum, Muğla (Türkiye Ekonomistler Platformu)

CLUB & ORGANIZATION MEMBERSHIPS & INTERESTS:

- SU Student Club Memberships:
Drama Club, Robotics Club, Turkey-Japan Interaction Club, Music Club
- Alternative Life for Handicapped People Organization (Voluntary Member, 2005-2007)
- International Erasmus Student Network (Member, 2010)
- THK- Turkish Air Foundation (Member, 2010)
- Youth Agenda Association (Project Specialist, 2011)
- Interests:
Environmental Technology, Patent& innovation, language learning, performing arts, dubbing, acting/drama, tourism, guitar, piano

REFERENCES:

Available upon request