

27.09.2017

HİLAL BİNGÖL

Çankaya Üniversitesi, Mekatronik Mühendisliği
Eskişehir Yolu 29. Km, Office:L-325, Etimesgut / Ankara
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EDUCATION

- 2017 - Ongoing** **Ankara University, Ankara**
Ph.D., Electrical and Electronics Engineering
- 2014 – 2017** **Çankaya University, Ankara**
M.Sc., Electronics and Communication Engineering
(GPA: 3.86 / 4.00)
Thesis Title: String-Stability Analysis of Cooperative Adaptive Cruise Control Systems with Actuator Saturation
Supervisor: Assoc.Prof.Dr. Klaus Werner SCHMIDT
- 2009 - 2014** **Çankaya University, Ankara**
B.S., Electronics and Communication Engineering
(GPA: 3.71 / 4.00, 2nd ranking student in ECE Department)
B.S. Project Title: FPGA Based Remote Vehicle Control
- 2007 – 2009** **Gazi University, Ankara**
B.S., Architecture Faculty (left in 2nd year)
- 2004 – 2007** **Aydınlıkevler Anadolu Lisesi, Ankara**
(4.88 / 5.00)

MAJOR ACHIEVEMENTS & AWARDS

- Sept. 2016 – June 2017** TUBITAK 1001 Scholarship
- 2014 – 2017** Full Scholarship during M.Sc. Studies, Çankaya University
- July 2014 – Sept. 2014** TUBITAK 2241/A Scholarship for B.S. Senior Project
- June 2014** 2nd ranking student in Department of Electronics and Communication Engineering in B.S. Graduation
- Sept. 2010 – June 2014** Honor - High Honor Student in Department of Electronics and Communication Engineering, Çankaya University
- Sept. 2009 – June 2014** Full Scholarship during B.S. Studies, Çankaya University
- Sept. 2008 – Sept. 2009** Scholarship from the Prime Ministry of Turkey, Gazi Uni.

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WORK EXPERIENCE

- Sept. 1, 2014 – ongoing** Research Assistant, Mechatronics Eng., Çankaya Uni, Ankara
- Sept. 2013 - June 2014** Intern / Optoelectronics & Nanoelectronics Laboratory (OPEN Lab),
Çankaya University, Ankara
- Aug. 2013 – Sept. 2013** Intern / Digitest Elektronik, Ankara
- July 2013 – Aug. 2013** Intern / Opto-Photonic Laboratory (OFAL), Çankaya Uni, Ankara
- July 2012 – Aug. 2012** Intern / Bilgi Teknolojileri ve İletişim Kurumu (BTK), Ankara

PUBLICATIONS

A) National Conference

- 1) **Bingöl, H.**, Kısa, G., Başayar, T., Genç, F., and Yengel, E., "Image-Based Remote Control Using FPGA", 7th Engineering and Technology Symposium, May 15-16, Cankaya University, Ankara, 2014. (text in English)
- 2) **Bingöl, H.**, Çankaya, E., Schmidt, K. W., "Aktüatör Satürasyonu Altında Dizi Kararlı Kooperatif Otomatik Seyir Kontrolü", 17. Otomatik Kontrol Türk Milli Komitesi Ulusal Toplantısı, Eylül 10-12, Denizli, 2015.

B) Magazines

- 1) **Bingöl, H.**, Çankaya, E., Schmidt, K. W., "Eyleyici Doymu Altında Dizi Kararlı Kooperatif Otomatik Seyir Kontrolü", Pamukkale Üniv. Müh. Bilim Dergisi, 22(8), 636-642, 2016.

PROJECTS

2013-2014 B.S. Thesis - Remote Traffic Control, TÜBİTAK 2241/A Sanayi Odaklı Lisans Bitirme Tezi Destekleme Programı

FURTHER SKILLS

Programing Language : MATLAB, VHDL, JavaScript, C, PIC Microcontroller Programming
Design Softwares : Mentor Graphics Tools, Proteus, OrCAD PSpice, Labview
Technical Devices : Atomic Force Microscopy (Nanomagnetic Inst.), Thermal Evaporator (Nanovak NVTH-350), Staubli Robot Arm, QNET Mechatronics Sensor Board

RESEARCH AREAS

Control System Theory
Intelligent Transportation Systems
Organic/Inorganic Thin Film Transistors
FPGA (Field Programmable Gate Array)

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ASSISTANSHIP

2017-2018 (Fall)

MECE 233 - Electrical Circuits Analysis + Lab
MECE 223 - Digital Design I + Lab
MECE 401 - Introduction to Robotics + Lab
MECE 347 - Electronics + Lab.

2016-2017 (Spring)

MECE 232 - Advanced Electrical Circuit Analysis + Lab
MECE 246 - Fundamentals of Electronics + Lab
MECE 302 - Sensors and Measurement + Lab
MECE 388 - Automatic Control System + Lab

2016-2017 (Fall)

MECE 401 - Introduction to Robotics + Lab
MECE 441 - Control System Design + Lab
ECE 233 - Electrical Circuits Analysis + Lab
ECE 223 - Digital Design I + Lab

2015-2016 (Spring)

ECE 232 - Advanced Electrical Circuits Analysis + Lab
MECE 302 - Sensors and Measurement + Lab
MECE 480 - Digital Control and Applications + Lab

2015-2016 (Fall)

ECE 233 - Electrical Circuits Analysis + Lab
ECE 281 - Electrical Circuits and Instrumentation + Lab
MECE 401 - Introduction to Robotics + Lab

2014-2015 (Spring)

ECE 232 - Advanced Electrical Circuits Analysis + Lab
ECE 281 - Electrical Circuits and Instrumentation + Lab

2014-2015 (Fall)

ECE 480 - Introduction to Nanotechnology + Lab
ECE 233 - Electrical Circuits Analysis + Lab