

## Curriculum Vitae

# Olçay Yiğit

### Personal information

Address Mevlana Mah. 1710 sk. Solak Apt. kat 4 daire 16 Bornova Turkey  
Mobile +90 553 101 48 44  
E-mail(s) olcyigt@gmail.com  
Nationality Turkish  
Date of birth 12/02/1986  
Gender Male

### Work experience

Project name Hyperpolarized Xenon-129 Magnetic Resonance Imaging of Pulmonary Diseases  
TUBİTAK 2232 Project

Dates 2020-2021

Many rf coils were designed for different frequencies. Resonance frequencies differ each other because they excite different atoms. The frequency named Larmor frequency calculated by gyromagnetic ratio and strength of the static magnetic field .

Company Ünüvar Elektronik

Dates 2017-2020

Research and Development Engineer

-AM/FM antenna design For Automotives ( supported by TUBİTAK)

I designed a whip antenna for AM/FM reception 40 cm long. To amplify receiving signal by the antenna multi frequency amplifier used . This amplifier includes two different frequency amplifier stage one of them for AM reception it is low frequency another one is for FM reception it is high frequency about 100 MHz. All components that are antenna and amplifier designed with simulation tools, realized and measured in anechoic chamber.

-Multifunctional antenna design for Automotives(Shark Fin antenna ) (Supported by TUBİTAK)

The active antenna consists of AM/FM ,GNSS and DAB sections. All sections were isolated each other and placed in a determined area that is shark fin figure .

Company CN energy

Dates

27/01/2016 – 01/05/2016

Occupation or position held Project Engineer

- Working as a Project Engineer for Solar Energy projects at CN Energy A.Ş.
- Key contact person
- Weekly/monthly production planning according customer orders
- Built good and strong relations with customers
- Price quotation check with sales
- Material handling(orders, deliveries) with purchasing
- Preparing weekly and monthly reports to the managers
- Preparing plans for initial sample production (component orders, production, quality, shipment and assembly control at customer side)
- Drawing Electrical schematic of solar energy projects by Autocad

Company Hamza Şahin Yapı Denetim

Dates 01/01/2015 – 01/10/2015

Occupation or position held Project Engineer and Control Engineer  
Main activities and responsibilities Reading Electrical projects for buildings and controlling it

## Education and training

Dates 17.01.2017-today

Title of Qualification Awarded PhD  
Principal subjects / occupational skills covered Beam Steering Anti jam GNSS antenna and electronic circuit  
Name and type of organization providing education and training Ege University Turkey

Dates 01/09/2014 –17.01.2017

Title of qualification awarded Master of Science  
Principal subjects / occupational skills covered Anti Jam GNSS antenna and electronic circuit (Sanayi Bilim ve Teknoloji Bakanlığı Projesi)  
Name and type of organization providing education and training Ege University Turkey

Dates 10/09/2004- 20/06/2010

Title of qualification awarded Bachelor of Engineering  
Principal subjects / occupational skills covered Synthesis and Verification of Viterbi Decoder (VHDL application)  
Name and type of organization providing education and training Yeditepe University(Kayışdağı İstanbul) (with full scholarship)

**Lectures**

High Frequency Electronics ,Analog Communication, Digital Communication,  
Application of Electrical and Electronics Engineering , Signal and Systems 1 , Signal and Systems 2  
at Manisa Celal Bayar (2018-2021)  
University Electrical and Electronics Department  
RF Tekniği at Ege University Meslek Yüksek Okulu (2017-2018)

**Personal skills and competences**

Mother tongue(s) **Turkish**

Other language(s)

Self-assessment

European level (\*)

**English**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user

Social skills and competences

- Good ability to adapt to multicultural environments gained through my study and internship experience abroad
- Team work ability with multinational projects
- Good communication skill gained through my experience as a student and work with teams from Universal students and work projects

Organizational skills and competences

- Good experience in project management

Computer skills and competences

- Good command of MS Office (Word, Excel, PowerPoint and Project)
- Good experience with Matlab and Simulink (4 year university education and 1 year master education, Bachelor thesis with Matlab and Simulink)
- Autocad
- experience with CST ,Antenna magus , HFSS, FEKO that are used for antenna design
- Autocad
- Pvsyst, Pvsol

Other skills and competences

- Reading book (Novel ,Historical and journey)
- Travel around Europa and get knowledge different cities

Papers

- Yiğit, Olcay, Yavuz Aşçı, and Korkut YeğİN. "Beam switched antenna design for jamming mitigation of legacy GPS receivers." *Telecommunications Forum (TELFOR)*, 2016 24th. IEEE, 2016.
- Yigit, Olcay, et al. "Plasma frequency selective surface for GNSS applications." *Telecommunication Forum (TELFOR)*, 2017 25th. IEEE, 2017.
- Yiğit, Olcay, et al. "GPS Signal Channel Modeling and Verification." *Procedia computer science* 113 (2017): 621-626.
- Yigit, Olcay, et al. "A novel antenna for GPS and Iridium satellite phone applications in M2M communication." *Telecommunication Forum*

(TELFOR), 2017 25th. IEEE, 2017.

e. Yigit, Olcay, Yavuz Asci, and Korkut Yegin. "Dual band GNSS antenna for missile applications." *2018 22nd International Microwave and Radar Conference (MIKON)*. IEEE, 2018.

f. Yiğit, Olcay, and Korkut Yegin. "All-band GNSS antenna with artificial magnetic conductor." In *Progress In Electromagnetics Research Symposium-Spring (PIERS)*, 2017, pp. 2211-2214. IEEE, 2017.

Driving licence(s) B