

## Assoc. Prof. Tufan Coşkun Karalar

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-5424-0267

ScopusID: 6507742012

Yoksis Researcher ID: 227048

### Education Information

Doctorate, University of California, Berkeley, Electrical Engineering And Computer Sciences, United States Of America  
2002 - 2006

Postgraduate, University of California, Berkeley, Electrical Engineering And Computer Sciences, United States Of America  
2000 - 2002

Undergraduate, University of Michigan, Electrical Engineering And Computer Sciences, United States Of America 1998 -  
2000

### Foreign Languages

English

### Dissertations

Doctorate, Implementation of a Localization System for Sensor Networks, University Of California, Berkeley, Electrical Engineering And Computer Sciences, 2006

Postgraduate, An Acoustic Digital Anemometer Application, University Of California, Berkeley, Electrical Engineering And Computer Sciences, 2002

### Research Areas

Technical Sciences, Computer Sciences, Equipment, Integrated Circuits, Electrical and Electronics Engineering, Electronic, Sensing Devices and Transducers, Electronic Circuits, Power Electronics, Power Converters, MEMS, Magnetic Materials and Devices

### Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, 2021 -  
Continues

Assistant Professor, Istanbul Technical University, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, 2018 -  
2021

Assistant Professor, Istanbul Technical University, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, 2015 - 2018

Research Assistant, University of California, Berkeley, School Of Engineering, Electrical Engineering And Computer Sciences, 2000 - 2006

## **Supported Projects**

Karalar T. C., Project Supported by Higher Education Institutions, VÜCUT İÇİ MİKROİMLANTLAR İÇİN GÜÇ DERLEYİCİ VE DÜZENLEYİCİ DEVRELER TASAR, 2015 - 2018

## **Memberships / Tasks in Scientific Organizations**

IEEE, Member, 2000 - Continues

## **Scientific Refereeing**

Turkish Journal of Electrical Engineering, National Scientific Refreed Journal, August 2015

TCAS I, National Scientific Refreed Journal, June 2015

## **Scientific Consultations**

TÜBİTAK BİLGEM, Scientific Consultancy, Istanbul Technical University, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, Turkey, 2016 - 2017

## **Metrics**

Publication: 19

Citation (WoS): 11

Citation (Scopus): 323

H-Index (WoS): 2

H-Index (Scopus): 6

## **Congress and Symposium Activities**

RTSI2017, Attendee, Modena, Italy, 2017

Graphene Week 2017, Attendee, Athína, Greece, 2017

Custom Integrated Circuits Conference 2017, Attendee, Turkey, 2017

Integrated Solid Circuits Circuits Conference, Attendee, California, United States Of America, 2016

## **Non Academic Experience**

Business Organization (private), Silicon Laboratories Inc., Access and Power

Silicon Laboratories Inc

Broadcom Corporation

Business Organization (private), Broadcom Corporation, Central Engineering