

Asst. Prof. Tuba Yilmaz Abdolsaheb

Personal Information

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Biography

Dr. Yilmaz received M.S. degree in Electrical Engineering from Mississippi State University, Mississippi State, MS, USA, in 2009, and the Ph.D. degree in electronic engineering and computer science from Queen Mary, University of London, London, U.K., in 2013.

She is currently an Assistant Professor and a Marie Skłodowska Curie Research Fellow in Department of Electronics and Communication Engineering at Istanbul Technical University (ITU). Prior to her appointment at ITU, she spent a year at Mitos Medical Technologies as a Associate Research Fellow. From 2013 – 2014, Dr. Yilmaz was with Utah State University (USU) as a Postdoctoral Research Fellow.

Dr. Yilmaz published 6 journal and more than 20 conference papers. She has also contributed to a patent and a book chapter. During her Ph.D., she carried out the foundation work for sensing of blood glucose levels with microwaves. As a Postdoctoral Research fellow at USU, she successfully integrated her knowledge in optimization algorithms to wireless power transfer problems. Dr. Yilmaz acted as a reviewer for many different journals including IEEE Transactions on Antennas and Propagation and IEEE Transactions on Microwave Theory and Techniques. She is a member of Eta Kappa Nu Electrical and Computer Engineering Honor Society. She has received multiple awards including URSI Young Scientist Award and IBM Best Poster Award. Her research interests includes wearable and implantable antennas, RF sensing, dielectric spectroscopy, evolutionary optimization techniques, wireless power transfer, and electromagnetic imaging.

Education Information

Doctorate, University Of London-Queen Mary And Westfield College, School Of Electronic Engineering And Computer Science, United Kingdom 2009 - 2013

Postgraduate, Mississippi State University, Department Of Electrical Engineering / Bagley College Of Engineering, United States Of America 2007 - 2009

Undergraduate, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, Turkey 2002 - 2007

Foreign Languages

English

Dissertations

Doctorate, Wearable RF Sensors for Non-invasive Detection of Blood Glucose Levels, University Of London-Queen Mary And Westfield College, School Of Electronic Engineering And Computer Science, 2013

Postgraduate, Characterization of Tissue Mimicking Materials for Testing of Implantable and on Body Antennas,

Mississippi State University, Department Of Electrical Engineering / Bagley College Of Engineering, 2009

Research Areas

Medicine, Health Sciences, Physics, Electromagnetism, Acoustics, Heat Transfer, Classical Mechanics and Fluid Dynamics, Natural Sciences

Academic Titles / Tasks

Assistant Professor, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, 2018 - Continues

Assistant Professor, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, 2015 - 2018

Academic and Administrative Experience

Courses

Introduction to electromagnetic Fields, Undergraduate, 2016 - 2017

Supported Projects

Yılmaz Abdolsaheb T., Project Supported by Higher Education Institutions, Radyo Frekansında Çalışan Sensor Dizaynı için Dekstroz Solusyonlarının Dielektrik Özellik Ölçümleri, 2016 - 2018

Scientific Refereeing

Transactions on Antennas and Propagation, SCI Journal, February 2016

Citations

Total Citations (WOS):334

h-index (WOS):6