

Prof. Tolga Ovatman

Personal Information

Office Phone: [+90 212 285 7543](tel:+902122857543)

Email: ovatman@itu.edu.tr

Web: <http://www.ovatman.com>

Address: İTÜ Bilgisayar ve Bilişim Fakültesi 34469 Maslak İstanbul

International Researcher IDs

ORCID: 0000-0001-5918-3145

Publons / Web Of Science ResearcherID: N-9296-2013

ScopusID: 25960879900

Yoksis Researcher ID: 33066

Biography

Born in 1981 at Bursa, Tolga Ovatman graduated from Bursa Anatolian High School in 1999. He completed his undergraduate education in Hacettepe University Computer Engineering Department in 2003 and moved to İstanbul to continue his graduate education at Istanbul Technical University department of Computer Engineering. After receiving his MSc degree he continued his PhD education at the same department and started working on model based software parallelization for multicore systems under supervision of Dr.Feza Buzluca. During his PhD study he has worked on formal methods and model checking as a visiting researcher in Denmark Technical University and studied parallellizing class diagrams in US Missouri University of Science and Technology. In 2011 he has delivered his dissertation and started working as a lecturer in İTÜ Faculty of Computer and Informatics. He was later recruited as an assistant professor in the same faculty on April 2012. He was awarded with Associate Professor Degree by YÖK on December 2017.

Education Information

Doctorate, Istanbul Technical University, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2005 - 2011

Postgraduate, Istanbul Technical University, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2003 - 2005

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Bilimleri Mühendisliği Bölümü, Turkey 1999 - 2003

Foreign Languages

English

Dissertations

Doctorate, Model based parallelization of object oriented software for multicore systems, İstanbul Teknik Üniversitesi, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği Bölümü, 2011

Postgraduate, A real-time optical character recognition system, İstanbul Teknik Üniversitesi, Bilgisayar Ve Bilişim

Fakültesi, Bilgisayar Mühendisliği Bölümü, 2005

Research Areas

Technical Sciences, Computer Sciences, algorithms, Distributed Systems, Parallel Algorithms, Theoretical Computer Science, Formal Methods, Database and Data Structures, Data Structures, Software, Software Engineering

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Bilgisayar ve Bilişim, Bilgisayar Mühendisliği, 2019 - Continues
Assistant Professor, Istanbul Technical University, Bilgisayar ve Bilişim, Bilgisayar Mühendisliği, 2012 - 2019
Research Assistant, Istanbul Technical University, Bilgisayar ve Bilişim, Bilgisayar Mühendisliği, 2004 - 2012
Research Assistant, University of Missouri-Rolla, Faculty Of Science And Technology, Computer Science, 2008 - 2009
Research Assistant, Danmarks Tekniske Universitet (Technical University of Denmark), Informatics And Mathematical Modeling, Informatics And Mathematical Modeling, 2006 - 2007

Academic and Administrative Experience

Vice Dean, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, 2018 - Continues
Program Koordinatörü, Istanbul Technical University, Bilişim Enstitüsü, Bilişim Uygulamaları, 2014 - Continues
Deputy Head of Department, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, 2016 - 2018

Courses

Formal Languages and Automata, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
Discrete Mathematics, Undergraduate, 2016 - 2017, 2015 - 2016, 2012 - 2013, 2011 - 2012
Object Oriented Concurrent Programming, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
Yazılım Kalitesi, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
Veri Yapıları ve Algoritmalar, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
Structured Programming, Postgraduate, 2016 - 2017, 2014 - 2015, 2012 - 2013
Operating Systems, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
Software Engineering, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
Model Checking For Software Systems, Doctorate, 2016 - 2017, 2015 - 2016
WEB-Design and Management Tools, Undergraduate, 2014 - 2015, 2013 - 2014
Structured Programming, Postgraduate, 2015 - 2016
Model Checking For Software Systems, Postgraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013
Data Structures and Algorithms, Undergraduate, 2013 - 2014
Data Structures and Algorithms, Undergraduate, 2013 - 2014
Logic Circuits Laboratory, Undergraduate, 2012 - 2013, 2011 - 2012
Introduction to Information Systems and Computation in Engineering, Undergraduate, 2013 - 2014
Structured Programming, Postgraduate, 2013 - 2014
Data Structures, Undergraduate, 2012 - 2013
Data Structures and Algorithms, Undergraduate, 2012 - 2013
Programming I, Undergraduate, 2012 - 2013
Mikroişlemci Uygulamaları Lab, Undergraduate, 2011 - 2012
Veri Yapıları, Undergraduate, 2011 - 2012
Introduction to Scientific and Engineering Computation (C), Undergraduate, 2011 - 2012

Jury Memberships

Administrative Staff Examination, İTÜ BİDB Sözleşmeli Bilişim Personeli Sınavı, İstanbul Teknik Üniversitesi, August, 2017
Doctorate, Mohanad Dawoud , İstanbul Teknik Üniversitesi, July, 2017
Post Graduate, Serkan Akdemir , İstanbul Teknik Üniversitesi, June, 2017
Post Graduate, Özge Ataseven , İstanbul Teknik Üniversitesi, June, 2017
Doctoral Examination, Yahya Hassanzadeh-Nazarabadi, Koç Üniversitesi, November, 2016
Post Graduate, Mehmet Taha Aras, Yıldız Teknik Üniversitesi, July, 2016
Post Graduate, Sevilay Tanış, Yıldız Teknik Üniversitesi, July, 2016
Administrative Staff Examination, İTÜ BİDB Sözleşmeli Bilişim Personeli Sınavı, İstanbul Teknik Üniversitesi, January, 2016
Post Graduate, Özdemir Kavak , İstanbul Teknik Üniversitesi, January, 2015
Post Graduate, Çiğdem Albuz Savunması, İstanbul Teknik Üniversitesi, January, 2015
Post Graduate, Mücahit Altıntaş , İstanbul Teknik Üniversitesi, May, 2014
Post Graduate, Metehan Patacı , İstanbul Teknik Üniversitesi, May, 2014
Post Graduate, Atakan Aral, İstanbul Teknik Üniversitesi, June, 2012

Supported Projects

Ovatman T., Project Supported by Higher Education Institutions, Uygulama Yerleştime Sezgisel Yöntemler Kullanılarak Bulut Ortamlarında Kaynak Kullanımının İyileştirilmesi, 2014 - 2018
Ovatman T., Project Supported by Higher Education Institutions, Bilişsel Radyo Ağlarında Kanal Kullanımının Zamanlı Otomatlarla Yazılım Tabanlı Eniyilemesi, 2012 - 2018
Ovatman T., Project Supported by Higher Education Institutions, Bulut Sistemlerinde Kaynak Atama Probleminin Modellenmesi ve İyileştirilmesi, 2015 - 2016

Activities in Scientific Journals

KSII Transactions on Internet and Informaion Systems, Publication Committee Member, 2018 - Continues
IEEE Transactions on Network and Service Management , Publication Committee Member, 2017 - Continues
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, Publication Committee Member, 2017 - Continues
Hindawi Scientific Programming, Publication Committee Member, 2016 - Continues
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES , Assistant Editor/Section Editor, 2016 - 2016
IEEE Cloud, Publication Committee Member, 2015 - 2015
Journal of Systems and Software, Publication Committee Member, 2011 - 2011

Memberships / Tasks in Scientific Organizations

ACM - Special Interest Group on Logic, Member, 2017 - Continues
IEEE Computer Society, Member, 2017 - Continues

Scientific Consultations

Innova A.Ş., Scientific Consultancy, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey, 2018 - Continues
Softtech A.Ş., Scientific Consultancy, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey,

2017 - Continues

ICRON Technologies, Scientific Consultancy, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey, 2017 - Continues

ABE Teknoloji, Scientific Consultancy, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey, 2015 - 2017

Innova A.Ş., Scientific Consultancy, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey, 2015 - 2016

Model Bilişim Hizmetleri, Scientific Consultancy, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey, 2014 - 2015

Veripark, Scientific Consultancy, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey, 2014 - 2015

Simternet, Scientific Consultancy, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey, 2013 - 2014

Scientific Research / Working Group Memberships

Yazılım Modelleme ve Analizi, İSTANBUL TEKNİK ÜNİVERSİTESİ, Turkey, smart.cs.itu.edu.tr, 2011 - Continues

Metrics

Publication: 45

Citation (WoS): 108

Citation (Scopus): 158

H-Index (WoS): 4

H-Index (Scopus): 5

Congress and Symposium Activities

ELECO, Attendee, Bursa, Turkey, 2015

The 4th International Conference on Cloud Computing and Services Science, CLOSER 2014, Attendee, Barcelona, Spain, 2014

1st IEEE International Workshop on Ad Hoc Networking with MIMO and Cognitive Radio, GLOBECOM 2012, Attendee, California, United States Of America, 2012

6. ULUSAL YAZILIM MÜHENDİSLİĞİ SEMPOZYUMU, UYMS 2012, Attendee, Ankara, Turkey, 2012

45th Annual Simulation Symposium 2012 Spring Simulation Multiconference, Attendee, Florida, United States Of America, 2012

14th Euromicro Conference on Digital System Design Architectures, Methods and Tools, Attendee, Oulu, Finland, 2011

19th International Conference on Software Engineering and Data Engineering, Attendee, California, United States Of America, 2010

International Conference on Computational Intelligence and Software Engineering, Attendee, Wuhan, China, 2009

Non Academic Experience

Missouri University of Science and Technology

Danimarka Teknik Üniversitesi