

# Prof. ERHAN İLHAN KONUKSEVEN

## Personal Information

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## Education Information

Doctorate, Carnegie Mellon University, Makina Mühendisliği Bölümü, United States Of America 1996 - 1997

Doctorate, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, Turkey 1989 - 1996

Post Graduate, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, Turkey 1986 - 1989

Under Graduate, İstanbul Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, Turkey 1982 - 1986

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Doktora Sonrası Çalışmalar (Post-Doc) - Mobile Robot Navigation, Sensor Based Path Planning, Carnegie Mellon University, Makina Mühendisliği Bölümü, 1996

Doctorate, Moving part recognition and automatic pick and place using an industrial robot, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, 1996

Post Graduate, Graphical Simulation and Programming of Robots, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, 1989

## Research Areas

Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty Of Engineering, Department Of Mechanical Engineering, 2012 - 2019

Assistant Professor, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, 2002 - 2012

Lecturer PhD, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, 1995 - 2002

Lecturer PhD, Carnegie Mellon University, Makina Mühendisliği Bölümü, 1996 - 1997

Research Assistant, Universität Karlsruhe, Fakultät Für Informatik Institut Für Prozessrechenstechnik Und Robotik, 1991 - 1996

Research Assistant, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, 1988 - 1995  
Research Assistant, Middle East Technical University, Graduate School of Natural and Applied Sciences, 1986 - 1988

## Advising Theses

- Konukseven E. İ. , Koku A. B. , OBSTACLE AVOIDANCE CONTROL FOR A HUMAN-OPERATED MOBILE ROBOT, Post Graduate, Y.MOHAMADI(Student), 2019
- Konukseven E. İ. , Koku A. B. , HUMAN AWARE NAVIGATION OF A MOBILE ROBOT IN CROWDED DYNAMIC ENVIRONMENTS, Doctorate, A.HACINECİPOĞLU(Student), 2019
- Konukseven E. İ. , Design and control of a 2 DOF stabilizer, Post Graduate, Z.KILIÇ(Student), 2019
- KONUKSEVEN E. İ. , Development of high performance grinding process using hybrid redundant manipulator, Doctorate, M.LATIFI(Student), 2018
- KONUKSEVEN E. İ. , KUVVET-GERİ-BESLEMELİ SİSTEMLER İÇİN SAĞINIMLI DÖNER MANYETO-REOLOJİK FREN GELİŞTİRİLMESİ, Doctorate, O.TOPÇU(Student), 2018
- KONUKSEVEN E. İ. , ONLINE TRAJECTORY PLANNING FOR NONSTIFF ROBOTIC DEBURRING MACHINES BASED ON DYNAMIC MOVEMENT PRIMITIVES METHOD, Post Graduate, M.ÇAĞRI(Student), 2018
- KONUKSEVEN E. İ. , KOKU A. B. , Slippage estimation of a two wheeled mobile robot using deep neural network, Post Graduate, İ.ÖZÇİL(Student), 2018
- KONUKSEVEN E. İ. , Mechanical properties of ti6al4v parts produced by electron beam melting and topology optimization in different building directions, Post Graduate, S.TEMEL(Student), 2018
- KONUKSEVEN E. İ. , Control of a helicopter during autorotation, Post Graduate, K.ŞANSAL(Student), 2018
- KONUKSEVEN E. İ. , Demonstration of robotic deburring process motor skills from motion primitives of human skill model, Post Graduate, P.PARVIZI(Student), 2018
- KONUKSEVEN E. İ. , KOKU A. B. , Realization of virtual fluid environment on a robotic gait trainer for therapeutic purposes, Post Graduate, T.EFE(Student), 2017
- KONUKSEVEN E. İ. , KOKU A. B. , Adaptive structured and unstructured road detection using LIDAR and dome-camera, Post Graduate, S.ÖZGÜN(Student), 2017
- KONUKSEVEN E. İ. , Active compliance control structure design for a robotic-grinding machine, Post Graduate, A.DÖNDER(Student), 2017
- KONUKSEVEN E. İ. , Semi Elliptical Surface Crack Simulation by Using Ansys, Post Graduate, E.GÖZDE(Student), 2016
- KONUKSEVEN E. İ. , Modelling, simulation and testing of artificial neural network augmented kalman filter for ins/gps and magnetometer integration, Post Graduate, D.YILDIZ(Student), 2016
- KONUKSEVEN E. İ. , KOKU A. B. , A CONDITIONAL COVERAGE PATH PLANNING METHOD FOR AN AUTONOMOUS LAWN MOWER, Post Graduate, A.KAROL(Student), 2016
- KONUKSEVEN E. İ. , Off-line nominal path generation of 6-dof robotic manipulator for edge finishing and inspection processes, Post Graduate, M.H.M.(Student), 2016
- KONUKSEVEN E. İ. , Prediction of the cutting forces for robotic grinding processes with abrasive mounted bits, Post Graduate, K.AÇIKGÖZ(Student), 2015
- KONUKSEVEN E. İ. , Development of an autonomous lawn mower with minimalist hardware approach, Post Graduate, S.ÇİÇEK(Student), 2014
- KONUKSEVEN E. İ. , BALKAN R. T. , Development of an optical system calibration and alignment methodology using Shack-Hartmann wavefront sensor, Post Graduate, F.ZEHRA(Student), 2013
- KONUKSEVEN E. İ. , Design and implementation of a head tracking controlled pan and tilt vision system, Post Graduate, H.ÖLMEZ(Student), 2013
- KONUKSEVEN E. İ. , Improved positioning by distance-based differential GPS, Post Graduate, M.GHAZIANI(Student), 2013
- KONUKSEVEN E. İ. , KOKU A. B. , GPU-accelerated adaptive unstructured road detection using close range stereo vision, Post Graduate, K.BUĞRA(Student), 2013
- KONUKSEVEN E. İ. , KOKU A. B. , Development of a mobile robot platform to be used in mobile robot research, Post Graduate, M.KASIM(Student), 2013
- KONUKSEVEN E. İ. , BALKAN R. T. , Identification of kinematic parameters using pose measurements and building a

flexible interface, Post Graduate, A.BAYRAM(Student), 2012  
KONUKSEVEN E. İ. , Transparency and stability performance improvement in haptic devices, Doctorate, Ö.BAŞER(Student), 2012  
KONUKSEVEN E. İ. , Design & implementation of a scanning platform for mobile robotics, Post Graduate, G.ASLAN(Student), 2012  
KONUKSEVEN E. İ. , Passive haptic robotic arm design, Post Graduate, S.YILMAZ(Student), 2010  
KONUKSEVEN E. İ. , KOKU A. B. , Unstructured road recognition and following for mobile robots via image processing using anns, Post Graduate, R.AŞKIN(Student), 2010  
KONUKSEVEN E. İ. , Development of a material cutting model for haptic rendering applications, Post Graduate, G.ÜNER(Student), 2007  
KONUKSEVEN E. İ. , Data acquisition and processing interface development for 3D laser rangefinder, Post Graduate, O.ÇEVİKBAŞ(Student), 2006  
KONUKSEVEN E. İ. , Improving performance of a remote robotic teleoperation over the internet, Post Graduate, M.SELÇUK(Student), 2005

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Electrophysiologic vestibular evaluation in type 2 diabetic and prediabetic patients: Air conduction ocular and cervical vestibular evoked myogenic potentials**  
Konukseven O., Polat S. K. B. , KARAHAN S., Konukseven E., Ersoy R., Cakir B., Kutluhan A., AKSOY S.  
INTERNATIONAL JOURNAL OF AUDIOLOGY, vol.54, pp.536-543, 2015 (Journal Indexed in SCI)
- **In Vivo Performance of Poly(epsilon-caprolactone) Constructs Loaded with Gentamicin Releasing Composite Microspheres for Use in Bone Regeneration**  
Sezer U. A. , BİLLUR D., HURİ G., Huri P. Y. , AKSOY E. A. , Terzioglu H., Konukseven E., Hasirci V., HASIRCI N.  
JOURNAL OF BIOMATERIALS AND TISSUE ENGINEERING, vol.4, pp.786-795, 2014 (Journal Indexed in SCI)

### Articles Published in Other Journals

- **Product-oriented material testing and FEA for hyperelastic suspension jounce bumper design**  
Caliskan K., KONUKSEVEN E. İ. , Unlusoy Y. S.  
International Journal of Design Engineering, vol.3, pp.374-391, 2010 (Refereed Journals of Other Institutions)
- **Web Based Education Support Tools Used for Teaching the Engineering Graphics Course**  
KONUKSEVEN E. İ.  
Key Engineering Materials, vol.419, pp.777-780, 2009 (Refereed Journals of Other Institutions)

### Expert Reports

- **MERCEDES BENZ TÜRK A.Ş. Mercedes Benz E350 CDI 4MATIC Binek Aracın Karıştığı Trafik Kazası Esnasında Hava Yastıklarının Açılıp Açılmamasını İnceleyen Uzman Raporu**  
Bayer Ö., Balkan R. T. , Konukseven E. İ.  
Mercedes Benz Türk, pp.8, Ankara, 2018
- **TÜBİTAK proje başvurularının incelenmesi**  
KONUKSEVEN E. İ. , BAYER Ö., YAMAN U.  
ANKARA 7. İ-DARE MAHKEMESİ-, pp.8, Ankara, 2017
- **Yürüyen merdiven sisteminin onarım firması tarafından yenisi ile değiştirilip deg'is,tirilmedig'inin tespiti**  
YAMAN U., BALKAN R. T. , KONUKSEVEN E. İ.  
ANADOLU ANONİM TÜRK SİGORTA ŞİRKETİ, pp.5, Ankara, 2017

● **"NWL Diamond Reaming Shell (Step Profile) – Elmaslı Portkron" isimli parçanın incelenmesi**

YAMAN U., KONUKSEVEN E. İ. , YAMAN U.

Barkom Grup Sondaj Mak. Ve Ekip. San. Tic. Ltd. Şti., pp.4, Ankara, 2016

## **Contractual Researches**

KONUKSEVEN E. İ. , Renault Üretim Hattındaki Kaynak Robotlarında Oluşan Yörünge/Eksen Kayma Nedenlerinin Tespiti/Giderilmesi, 2009 - 2009

KONUKSEVEN E. İ. , Renault Üretim Hattındaki Kaynak Robotlarında Oluşan Yörünge ve Eksen Kaymalarının Nedenlerinin Tespiti .., 2008 - 2009

## **Activities in Scientific Journals**

International journal of Design Engineering, Committee Member, 2013 - Continues

Makina Tasarım ve İmalat Dergisi, First Editor, 1998 - Continues

## **Citations**

Total Citations (WOS):244

h-index (WOS):9