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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

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

Undergraduate, 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

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

H.ÖLMEZ(Student), 2013
KONUKSEVEN E. İ. , Design & implementation of a scanning platform for mobile robotics, Postgraduate,
G.ASLAN(Student), 2012
KONUKSEVEN E. İ. , ÖZGÖREN M. K. , Multisensor dead reckoning navigation on a tracked vehicle using Kalman filter,
Postgraduate, S.Kırımlıoğlu(Student), 2012
KONUKSEVEN E. İ. , Transparency and stability performance improvement in haptic devices, Doctorate,
Ö.BAŞER(Student), 2012
BALKAN R. T. , KONUKSEVEN E. İ. , Identification of kinematic parameters using pose measurements and building a
flexible interface, Postgraduate, A.BAYRAM(Student), 2012
KONUKSEVEN E. İ. , KOKU A. B. , Development of electrical and control system of an unmanned ground vehicle for force
feedback teleoperation, Postgraduate, A.Hacınecipoğlu(Student), 2012
KONUKSEVEN E. İ. , KOKU A. B. , Design and implementation of a scanning platform for mobile robotics, Postgraduate,
G.Aslan(Student), 2012
KOKU A. B. , KONUKSEVEN E. İ. , Unstructured road recognition and following for mobile robots via image processing
using anns, Postgraduate, R.AŞKIN(Student), 2010
KONUKSEVEN E. İ. , Kinematic calibration of industrial robots using full pose measurements and optimal pose selection,
Postgraduate, B.Yurttagül(Student), 2010
KONUKSEVEN E. İ. , Passive haptic robotic arm design, Postgraduate, S.YILMAZ(Student), 2010
KONUKSEVEN E. İ. , Development of a material cutting model for haptic rendering applications, Postgraduate,
G.ÜNER(Student), 2007
KONUKSEVEN E. İ. , Simulation of flow transients in liquid pipeline systems, Postgraduate, Z.Uygur(Student), 2007
KONUKSEVEN E. İ. , Simultaneous localization and mapping for a mobile robot operating in outdoor environments,
Postgraduate, E.Sezginalp(Student), 2007
KONUKSEVEN E. İ. , Development of dental educational simulation with haptic device, Postgraduate, U.Koçak(Student),
2007
KONUKSEVEN E. İ. , Control system design for a haptic device, Postgraduate, S.Bideci(Student), 2007
KONUKSEVEN E. İ. , Haptic device design, Postgraduate, Ö.Başer(Student), 2006
KONUKSEVEN E. İ. , Data acquisition and processing interface development for 3D laser rangefinder, Postgraduate,
O.ÇEVİKBAŞ(Student), 2006
KONUKSEVEN E. İ. , Improving performance of a remote robotic teleoperation over the internet, Postgraduate,
M.SELÇUK(Student), 2005
KONUKSEVEN E. İ. , Visually guided robotic assembly, Postgraduate, O.Şeran(Student), 2003
KONUKSEVEN E. İ. , Improving the accuracy of a mobile robot for localization and mapping of an unknown environment,
Postgraduate, G.Gümrükcü(Student), 2003

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

- I. **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, no.8, pp.536-543, 2015 (Journal Indexed in SCI)
- II. **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. , Terzioğlu H., Konukseven E., Hasirci V., HASIRCI N.
JOURNAL OF BIOMATERIALS AND TISSUE ENGINEERING, vol.4, no.10, pp.786-795, 2014 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Product Based Material Testing for Hyperelastic Suspension Jounce Bumper Design with FEA**

ÇALIŞKAN K., KONUKSEVEN E. İ. , ÜNLÜSOY Y. S.

KEY ENGINEERING MATERIALS, vol.450, pp.119-123, 2011 (Refereed Journals of Other Institutions)

II. **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, no.4, pp.374-391, 2010 (Refereed Journals of Other Institutions)

III. **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)

Refereed Congress / Symposium Publications in Proceedings

I. **Uncertainty Analysis Methods for the Measurements of Coordinate Measuring Machines**

SÖZAK A., KONUKSEVEN E. İ. , DÖLEN M.

ULUSLARARASI MAKİNA TASARIMI VE İMALATI KONGRESİ (UMTİK), Güzelyurt, Cyprus (Kktc), 29 June - 02 July 2010, vol.1, pp.505-524

II. **An Uncertainty Analysis Software for CMM Measurements**

SÖZAK A., KONUKSEVEN E. İ. , DÖLEN M.

International Conference on Advanced Design and Manufacture (ADM), Harbin, China, 24 - 26 September 2009, vol.1, pp.67-70

III. **Uncertainty Analysis Methods for CMM Measurements**

SÖZAK A., KONUKSEVEN E. İ. , DÖLEN M.

International Conference on Advanced Design and Manufacture (ADM), Harbin, China, 24 - 26 September 2009, vol.1, pp.63-66

Expert Reports

I. **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

II. **TÜBİTAK proje başvurularının incelenmesi**

KONUKSEVEN E. İ. , BAYER Ö., YAMAN U.

ANKARA 7. I-DARE MAHKEMESİ, pp.8, Ankara, 2017

III. **Yürüyen merdiven sisteminin onarım firması tarafından yenisi ile değiştirilip değiştirilmediğinin tespiti**

Yaman U., Balkan R. T. , Konukseven E. İ.

ANADOLU ANONİM TÜRK SİGORTA ŞİRKETİ, pp.5, Ankara, 2017

IV. **"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):297
h-index (WOS):9