

# Prof. CÜNEYT OYSU

## Personal Information

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## Education Information

Doctorate, Imperial College Of Science, Technology And Medicine, Makine Mühendisliği, United Kingdom 1995 - 1999

Post Graduate, Imperial College Of Science, Technology And Medicine, Makine Mühendisliği, United Kingdom 1994 - 1995

Under Graduate, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1987 - 1992

## Academic Titles / Tasks

Professor, Kocaeli Üniversitesi, Mühendislik Fakültesi, Mekatronik Mühendisliği Bölümü, 2013 - Continues

Associate Professor, Kocaeli Üniversitesi, Mühendislik Fakültesi, Mekatronik Mühendisliği Bölümü, 2008 - 2013

Assistant Professor, Kocaeli Üniversitesi, Mühendislik Fakültesi, Mekatronik Mühendisliği Bölümü, 2001 - 2008

Assistant Professor, Kocaeli Üniversitesi, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü, 1999 - 2001

Research Assistant, Kocaeli Üniversitesi, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü, 1994 - 1999

## Professional Experience

Director of Vocational School, Kocaeli Üniversitesi, Yabancı Diller Yüksekokulu, 2015 - Continues

Vice Dean, Kocaeli Üniversitesi, Mühendislik Fakültesi, 2012 - 2015

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

- **TIME DELAY COMPENSATED VISION BASED STABILIZATION CONTROL OF AN INVERTED PENDULUM**  
KIZIR S., OCAK H., BİNGÜL Z., OYSU C.  
INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL, vol.8, pp.8133-8145, 2012 (Journal Indexed in SCI)
- **A support vector machine-based online tool condition monitoring for milling using sensor fusion and a genetic algorithm**  
KAYA B., OYSU C., ERTUNÇ H. M. , OCAK H.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, vol.226, pp.1808-1818, 2012 (Journal Indexed in SCI)
- **Force-torque based on-line tool wear estimation system for CNC milling of Inconel 718 using neural networks**  
KAYA B., OYSU C., ERTUNÇ H. M.  
ADVANCES IN ENGINEERING SOFTWARE, vol.42, pp.76-84, 2011 (Journal Indexed in SCI)
- **Fuzzy control of a real time inverted pendulum system**  
Kizir S., Bingül Z., Oysu C.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.21, pp.121-133, 2010 (Journal Indexed in SCI)
- **Application of heuristic and hybrid-GASA algorithms to tool-path optimization problem for minimizing airtime during machining**  
Oysu C., Bingül Z.  
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.22, pp.389-396, 2009 (Journal Indexed in SCI)
- **Finite element and boundary element contact stress analysis with remeshing technique**

Oysu C.

APPLIED MATHEMATICAL MODELLING, vol.31, pp.2744-2753, 2007 (Journal Indexed in SCI)

- **Thermal analysis of 154 kV underground cable joint using finite element method 154 kV XLPE yeraltı güç kablo ekinin sonlu elemanlar yöntemiyle ısıl analizi**

ARAS F., OYSU C.

Journal of the Faculty of Engineering and Architecture of Gazi University, vol.22, pp.281-286, 2007 (Journal Indexed in SCI Expanded)

- **Automation of welding face shaping process for tubular structures**

Oysu C.

INDUSTRIAL ROBOT-AN INTERNATIONAL JOURNAL, vol.34, pp.32-38, 2007 (Journal Indexed in SCI)

- **An assessment of the methods for calculating ampacity of underground power cables**

Aras F., OYSU C., YILMAZ G.

ELECTRIC POWER COMPONENTS AND SYSTEMS, vol.33, pp.1385-1402, 2005 (Journal Indexed in SCI)

- **Drill wear monitoring using cutting force signals**

Ertunc H. M. , Oysu C.

MECHATRONICS, vol.14, pp.533-548, 2004 (Journal Indexed in SCI)

## Articles Published in Other Journals

- **Development and control of a high precision stewart platform**

KIZIR S., BINGÜL Z., KÜÇÜK S., OYSU C.

SDU International Journal of Technologic Sciences, 2011 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- **Inverted Pendulum System: a Laboratory Tool for Control Education**

KIZIR S., BINGÜL Z., OYSU C.

9th International Conference on Electronics Computer and Computation (ICECCO 2012), Ankara, Turkey, 1 - 03 November 2012, pp.61-64

- **Ters Sarkaç Sisteminin Görme Tabanlı Gecikme Telafili Kontrolü**

KIZIR S., OCAK H., BINGÜL Z., OYSU C.

TOK 2011, Otomatik Kontrol Ulusal Toplantısı, Turkey, 14 - 16 September 2011

- **Yüksek Hassasiyetli Stewart Platformunun Tasarımı ve PID ile Kontrolü**

KIZIR S., BINGÜL Z., OYSU C., KÜÇÜK S.

TOK2009, Turkey, 01 September 2009

- **Ters Sarkaç Sisteminde Yükseltme Problemi**

KIZIR S., BINGÜL Z., OYSU C.

TOK2008, Turkey, 01 September 2008

- **DESIGN AND IMPLEMENTATION OF A SINGLE AXIS MAGNETIC LEVITATION SYSTEM**

KIZIR S., BINGÜL Z., OYSU C.

9th International Workshop on Research and Education in Mechatronics, 01 September 2008

- **Gerçek Zamanlı Ters Sarkaç Sisteminin Bulanık Mantık ile Kontrolü**

KIZIR S., BINGÜL Z., OYSU C.

TOK 2008, Turkey, 01 September 2008

- **SWING-UP AND STABILIZATION OF THE INVERTED PENDULUM PROBLEM WITH PID AND FULL STATE FEEDBACK CONTROL METHODS**

KIZIR S., BINGÜL Z., OYSU C.

9th International Workshop on Research and Education in Mechatronics 2008, 01 September 2008

- **Kompozit Çubuk Yapıların Enerji Sönümleyici olarak Kullanılması**

CENGİZ A., UÇAR M., OYSU C.

4. Otomotiv Teknolojileri Kongresi OTEKON 2008, Bursa, Turkey, 1 - 04 June 2008

- **Fuzzy control of a real time inverted pendulum system**

KIZIR S., BINGUL Z., OYSU C.

12th International Conference on Knowledge-Based Intelligent Information and Engineering Systems, Zagreb, Croatia, 3 - 05 September 2008, vol.5177, pp.674-681

- **Ters Sarkaç Probleminin PID ve Tam Durum Geri-Besleme Yöntemleri ile Kontrolü**

KIZIR S., BINGUL Z., OYSU C.

TOK 2007, Turkey, 01 September 2007

- **Manyetik Süspansiyon Sisteminin Gerçeklenmesi ve Kontrolü**

ÖZTÜRK S., KIZIR S., BINGUL Z., OYSU C.

TOK 2007, Turkey, 01 September 2007

- **Tool Path Optimization Using Genetic Algorithms**

OYSU C., BINGUL Z.

International Conference on Genetic and Evolutionary Methods, Las Vegas, United States Of America, 25 - 28 Haziran 2007

- **Comparison of Inverse Kinematics Solutions Using Neural Network for 6R Robot Manipulator with Offset**

BINGUL Z., ERTUNÇ H. M. , OYSU C.

5th International Symposium on Intelligent Manufacturing Systems, 29 - 31 Mayıs 2006

- **Comparison of stochastic and approximation algorithms for one-dimensional cutting problems**

BINGUL Z., OYSU C.

International Conference on Intelligent Computing, ICIC 2005, Hefei, China, 23 - 26 Ağustos 2005, vol.3644, pp.976-985

- **Applying Neural Network to Inverse Kinematic Problem for 6R Robot Manipulator with Offset Wrist**

BINGUL Z., ERTUNÇ H. M. , OYSU C.

7th International Conference on Adaptive and Natural Computing Algorithms, 21 - 23 March 2005, pp.112-115

- **Design and Implementation of a Mechatronics Systems Control Card PICLABOARD**

ÇELİKTEPE A., OYSU C., ERTUNÇ H. M.

The 9th Mechatronics Forum International Conference, 30 August - 01 September 2004

- **Tool Wear Monitoring in Drilling Operations Using Bargraphic Methods**

ERTUNÇ H. M. , OYSU C.

th International Conference on Mechatronic Design and Modeling, 13 - 14 September 2001

## Supported Projects

OYSU C., Project Supported by Higher Education Institutions, KAÇUK SÖNÜMLEYİCİ SONLU ELEMANLAR ANALİZİNDE VE DOĞRULAMA DENEY SET-UP'İ İÇİN İŞ İSTASYONU VE PARÇA İMALATLARI VE NUMUNE PARÇALARIN TEMİNİ, 2014 - 2016

OYSU C., Project Supported by Higher Education Institutions, Kocaeli Üniversitesi Öğrenci Bilgi Sistemi Veri İletim Kapasitesi ve Güvenliğinin Geliştirilmesi, 2011 - 2013

## Citations

Total Citations (WOS):203

h-index (WOS):8