

## Prof. OLAN ÇUVALCI

### Personal Information

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### International Researcher IDs

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Yoksis Researcher ID: 31150

### Biography

Dr. Olkan ÇUVALCI is a professor at the Karadeniz Technical University (KTU) in the Department of Mechanical Engineering. He received his B.Sc. and M. SC. in Mechanical Engineering at the KTU in 1983 and 1985, respectively, and PH.D. in Mechanical Engineering from Texas Tech University in 1992. From 1986 to 1993, he worked at KTU as a research assistant at the Faculty of Engineering. From 1996 to 1999, Dr. ÇUVALCI worked as a research associate in Mechanical Engineering Department at Texas Tech University. From 1999 to 2000, he worked at the Western Kentucky University as an Associate professor at the Engineering of Technology. In 1993, he became an Assistant Professor at KTU in the Department of Mechanical Engineering then he promoted to Associate professor position at the same department in 1995. From 2000 to 2012, he worked as a design engineer and manager at the Applied Materials Inc. and he created several international patents in area of semiconductor with his engineering team. Then he came back to Turkey and he was hired again by KTU as a full professor in 2012. Dr. ÇUVALCI served as a Dean of Engineering Faculty between years of 2013 to 2016. His several research interests lie at the intersections of control and optimization theory, test method development, experimental and theoretical studies of nonlinear Dynamics and design. He is still working at KTU and he has two children.

### Education Information

Doctorate, Texas Tech University, Engineering, Mechanical Engineering, United States Of America 1989 - 1992

Undergraduate, Karadeniz Technical University, Fen Bilimleri, Makine, Turkey 1983 - 1985

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Makine, Turkey 1979 - 1983

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Numerical and Experimental Investigation of Coupled Beam and Pendulum Oscillator, Texas Tech University, Science Enstitute, Mechanical Engineering, 1992

Postgraduate, Radyal Pompalarda Dengeleme Deliklerinin Geometrisinin Kacak Akıma ve Eksenel İtmeye Etkisi, Karadeniz Technical University, Fen Bilimleri, Makine, 1985

## Research Areas

Mechanical Engineering, Construction and Manufacturing, Machine Elements, Machine Theory and Dynamics, Mechanical Vibrations, Engineering and Technology

## Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2013 - Continues

Associate Professor, Western Kentucky University, Engineering, Makine, 1999 - 2000

Research Assistant PhD, Texas Tech University, Engineering, Makine, 1996 - 1999

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 1995 - 1997

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 1993 - 1995

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 1986 - 1993

## Academic and Administrative Experience

Karadeniz Technical University, Mühendislik Fakültesi, Makine, 2013 - 2016

Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makine, 1996 - 1996

Karadeniz Technical University, Mühendislik Fakültesi, Makine, 1993 - 1995

## Courses

MAKİNE MÜHENDİSLİĞİNDE DENEYLER - II, Undergraduate, 2014 - 2015

MAKİNE ELEMANLARI - II, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013

## Advising Theses

ÇUVALCI O., Analysis of Vibration Absorbers Using Flexible Multi-Body Dynamics, Doctorate, E.GÜMÜŞ(Student), 2010

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Correlation statistics of a Fourier transform feature with flank wear on different sections of turned surface images for real time monitoring applications**  
KÜLLAÇ M. T., ÇUVALCI O.  
Measurement: Journal of the International Measurement Confederation, vol.207, 2023 (SCI-Expanded)
- II. **Investigation of characterization and tribological behavior of composite oxide coatings doped with h-BN and graphite particles on ZA-27 alloy by micro-arc oxidation**  
Kaplan E., Sukuroglu E. E., ÇUVALCI O.  
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.35, no.12, pp.1305-1319, 2021 (SCI-Expanded)
- III. **Optimum Tuning of a Gyroscopic Vibration Absorber for Vibration Control of a Vertical Cantilever Beam with Tip Mass**  
Unker F., Cuvalci O.  
INTERNATIONAL JOURNAL OF ACOUSTICS AND VIBRATION, vol.24, no.2, pp.210-216, 2019 (SCI-Expanded)
- IV. **Optimum tuning of a gyroscopic vibration absorber for vibration control of a vertical cantilever beam with tip mass**  
ÜNKER F., ÇUVALCI O.  
INTERNATIONAL JOURNAL OF ACOUSTICS AND VIBRATION, vol.24, no.2, pp.210-216, 2019 (SCI-Expanded)

- V. **Optimum Tuning of a Gyroscopic Vibration Absorber Using Coupled Gyroscopes for Vibration Control of a Vertical Cantilever Beam**  
Unker F., ÇUVALCI O.  
SHOCK AND VIBRATION, vol.2016, 2016 (SCI-Expanded)
- VI. **Effect of surface coating and tin plating on friction characteristics of P-110 tubing for different thread compounds**  
Cuvalci O., Sofuoglu H., Ertas A.  
TRIBOLOGY INTERNATIONAL, vol.36, no.10, pp.757-764, 2003 (SCI-Expanded)
- VII. **Non-linear vibration absorber for a system under sinusoidal and random excitation: Experiments**  
ÇUVALCI O., ERTAŞ A., Ekwaro-Osire S., ÇİÇEK İ.  
JOURNAL OF SOUND AND VIBRATION, vol.249, no.4, pp.701-718, 2002 (SCI-Expanded)
- VIII. **Experimental visibility measurement technique**  
ÇUVALCI O., Gransberg D., GREEN B.  
EXPERIMENTAL TECHNIQUES, vol.24, no.4, pp.33-35, 2000 (SCI-Expanded)
- IX. **The effect of detuning parameters on the absorption region for a coupled system: A numerical and experimental study**  
ÇUVALCI O.  
JOURNAL OF SOUND AND VIBRATION, vol.229, no.4, pp.837-857, 2000 (SCI-Expanded)
- X. **Performance of Pendulum Absorber for a Non-Linear System of Varying Orientation**  
ERTAŞ A., ÇUVALCI O., Ekwaro-Osire S.  
JOURNAL OF SOUND AND VIBRATION, vol.229, pp.913-933, 2000 (SCI-Expanded)
- XI. **Determination of friction characteristics of J-55 OCTG connections lubricated with environmentally safe thread compound**  
ERTAS A., ÇUVALCI O., CARPER H. J.  
TRIBOLOGY TRANSACTIONS, vol.42, no.4, pp.881-887, 1999 (SCI-Expanded)
- XII. **Pendulum as vibration absorber for flexible structures: Experiments and theory**  
Cuvalci O., ERTAS A.  
JOURNAL OF VIBRATION AND ACOUSTICS-TRANSACTIONS OF THE ASME, vol.118, no.4, pp.558-566, 1996 (SCI-Expanded)
- XIII. **Rating thread compounds for galling resistance**  
CARPER H., ERTAS A., Cuvalci O.  
JOURNAL OF TRIBOLOGY-TRANSACTIONS OF THE ASME, vol.117, no.4, pp.639-645, 1995 (SCI-Expanded)
- XIV. **EFFECT OF SOME MATERIAL, MANUFACTURING, AND OPERATING VARIABLES ON THE FRICTION COEFFICIENT IN OCTG CONNECTIONS**  
CARPER H., ERTAS A., ISSA J., CUVALCI O.  
JOURNAL OF TRIBOLOGY-TRANSACTIONS OF THE ASME, vol.114, no.4, pp.698-705, 1992 (SCI-Expanded)
- XV. **A Comparison of Fracture Mechanics and S-N Curve Approaches in Designing Drill Pipe**  
ERTAŞ A., MUSTAFA G., ÇUVALCI O.  
JOURNAL OF OFFSHORE MECHANICS AND ARCTIC ENGINEERING-TRANSACTIONS OF THE ASME, vol.114, pp.205-211, 1992 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Tornalanmış Yüzey İmgeleri Gri Ton Ortalama Değerlerinin Takım Aşınması ile İlişkisinin İncelenmesi**  
Küllaç M. T., Cuvalci O.  
Makina Tasarım ve İmalat Dergisi, vol.21, no.2, pp.81-88, 2023 (Peer-Reviewed Journal)
- II. **Gyroscopic Vibration Damper for One-Strorey Building: Theoretical and Experimental Research**  
Ünker F., Cuvalcı O.  
GAZI UNIVERSITY JOURNAL OF ENGINEERING SCIENCES, pp.457-471, 2022 (Peer-Reviewed Journal)
- III. **Modal Control of Cantilever Beam Using a Gyrostabilizer**

ÇUVALCI O., ÜNKER F., Baturalp T. B., Gulbulak U., Erta A.

SOUND AND VIBRATION, vol.55, no.4, pp.281-294, 2021 (ESCI)

- IV. **Experimental Investigation of a Gyroscopic Vibration Absorber For Vibration Control of a Vertical Cantilever Beam**  
ÜNKER F., ÇUVALCI O.  
International Journal of Automation, Mechatronics & Robotics, no.1, pp.40-44, 2016 (Peer-Reviewed Journal)
- V. **Design and Optimization of Chemical Mixing System for Vacuum Chambers Base of Simulation Results**  
ÜNKER F., KAPLAN E., ÇUVALCI O.  
INTERNATIONAL JOURNAL OF AUTOMOTİVE ENGINEERING AND TECHNOLOGİES, vol.4, pp.23-32, 2015 (Peer-Reviewed Journal)
- VI. **Design of Quartz Chemical delivery Parts for High Temperature Vacuum Chambers Base of Simulation Results**  
KAPLAN E., ÜNKER F., ÇUVALCI O.  
INTERNATIONAL JOURNAL OF AUTOMOTİVE ENGINEERING AND TECHNOLOGİES, vol.4, pp.33-39, 2015 (Peer-Reviewed Journal)
- VII. **Finite Element Analysis of Nonlinear Coupled Oscillator**  
YAMAN M., ŞEN S., ÇUVALCI O.  
Journal of Engineering Structure, vol.24, pp.577-586, 2002 (Peer-Reviewed Journal)
- VIII. **Development of a Proper Drying Region for West Texas Climate**  
ERTAŞ A., ÇUVALCI O., GÜLER C., WANYAMA W.  
Journal of Integrated Design and Process Science, vol.4, pp.78-86, 2000 (ESCI)
- IX. **Roadway Lighting Design Methodology and Evaluation**  
ÇUVALCI O., ERTAŞ B.  
Journal of Integrated Design and Process Science, vol.4, pp.1-23, 2000 (ESCI)
- X. **Design and Development of a New Peanut Curing Process for West Texas**  
ERTAŞ A., Frenza S., Tanju B. T., ÇUVALCI O., Maxwell T. T., Schubert M., Henning R., Butts C.  
An international Journal of Drying Technology, vol.17, pp.1149-1159, 1999 (Peer-Reviewed Journal)
- XI. **The variation of the friction coefficient in pipe connections working under static and dynamic loads**  
**Sabit ve dinamik yük altında çalışan boru bağlantılarındaki sürünme katsayısının değişimi**  
ÇUVALCI O., SOFUOĞLU H.  
Turkish Journal of Engineering and Environmental Sciences, vol.22, no.4, pp.269-277, 1998 (Scopus)
- XII. **Sabit ve Dinamik Yük Altında Çalışan Boru Bağlantılarındaki Sürünme Katsayısının Değişimi**  
SOFUOĞLU H., ÇUVALCI O.  
TÜBİTAK-Türk Mühendislik ve Çevre Bilimleri Dergisi, vol.22, pp.269-277, 1998 (Scopus)
- XIII. **Experimental Investigation of Galling Resistance in OCTG Connections**  
ERTAŞ A., CARPER H. J., ÇUVALCI O., Ekwaro-Osire S., Blakstone W. R. E.  
Tran. ASME Journal of Engineering for Industry, vol.114, pp.100-104, 1992 (Peer-Reviewed Journal)
- XIV. **Radyal Pompalarda Dengeleme Deliklerinin Verime Etkisi**  
ÜLKÜ A., ÇUVALCI O.  
Journal of Isparta Engineering Faculty of Akdeniz University, vol.Vol. 3, pp.1-9, 1987 (Peer-Reviewed Journal)
- XV. **Radyal Pompalarda Dengeleme Deliklerinin Verime Etkisi Effect of Radial Propeller Balance Holes on the Efficiency Experimental Study**  
ERTAŞ A., CARPER H. J., ÇUVALCI O., EKWARO OSİRE S., BLACKSTONE W. R. E.  
Journal of Isparta Engineering Faculty of Akdeniz University, no.3, pp.1-9, 1987 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Makina Elemanları - I**  
ÇUVALCI O.

KTÜ Matbaası, Trabzon, 2023

**II. Geometric Tolerancis and Applications**

Çuvalcı O.

Nobel Yayın Dağıtım, Bursa, 2021

**III. TASARIMDA GEOMETRİK TOLERANSLARIN KULLANIMI**

ÇUVALCI O.

KTÜ Matbaası, Trabzon, 2019

**IV. Kuruluşunun 60. Yılında Karadeniz Teknik Üniversitesinde Kurumsal Üniversite-Sanayi İş Birliği Trabzon Teknoloji Geliştirme Bölgesi ve Kurumsal Üniversite-sanayi İlişkileri**

ÇUVALCI O., BOCUTOĞLU E.

in: Kuruluşunun 60 Yılında Karadeniz Teknik Üniversitesinde Kurumsal Üniversite Sanayi İş Birliği, Prof. Dr. Ersan BOCUTOĞLU ve Öğr. Gör. Ali Haydar DOĞU, Editor, Karadeniz Teknik Üniversitesi, Trabzon, pp.63-124, 2015

**V. Karadeniz Teknik Üniversitesi 2014-2018 Stratejik Planı ve Kurumsal Üniversite-Sanayi İlişkileri**

DOĞU A. H., ÖKSÜZ M., ÖKSÜZ H., AYYILDIZ H., BELDÜZ A. O., KADIOĞLU A., ÇUVALCI O., BAYKAL S., BOCUTOĞLU E.

in: Kuruluşunun 60 Yılında Karadeniz Teknik Üniversitesinde Kurumsal Üniversite Sanayi İş Birliği, Ersan Bocutoğu, Ali Haydar Doğu, Editor, KTÜ, Trabzon, pp.125-146, 2015

**Refereed Congress / Symposium Publications in Proceedings**

**I. Dynamics of a Flexible Structure with Pendulum Studied at Various Angels between the Vertical and the Horizontal Positions**

ERTAŞ A., ÇUVALCI O., Ekwaro-Osire S.

Seventh Conference on Nonlinear Vibrations, Stability, and Dynamics of Structures, United States Of America, vol.1, pp.1

**II. Design a Luminance, Illuminance Measurement and Video Images Recording system and Analysis**

ÇUVALCI O., Tanju B. T., GRANSBERG D., GREEN B., GRANSBERG N.

SDPS, The Third World Conference on Integrated Design and Process Technology, Germany, vol.5, pp.66

**III. An Experimental Investigation of Nonlinear System in Autoparametric Region**

ÇUVALCI O., GÜMÜŞ B., ERTAŞ A.

SDPS, The Second World Conference on Integrated Design and Process Technology, United States Of America, vol.3, pp.391

**IV. Sarkac Acisinin 0-2p Araliginda Gercek Zamanli Deneysel Olcum Teknigi**

ÇUVALCI O.

1. Ulusal Deneysel Mekanik Sempozyumu, İstanbul, Turkey, pp.173

**V. Design and Optimization of Chemical Mixing System for Vacuum Chambers Base of Simulation Results**

ÜNKER F., KAPLAN E., ÇUVALCI O.

İnternational Confrance on Advenced Technology & Sciences (ICAT'14), Antalya, Turkey, pp.152

**VI. Effect of Contact Geometry and Other Tribological Variables on the Friction Coefficient in Threaded Connections**

CARPER H. J., ERTAŞ A., ÇUVALCI O.

ASME/ETCE Tribology Symposium, United States Of America, vol.61, pp.117

**VII. Theoretical Study on Coupled Beam-Pendulum Dynamic Vibration Absorber**

ÇUVALCI O., ERTAŞ A.

ASME/ETCE Dynamics and Vibration Symposium, United States Of America, vol.63, pp.75

**VIII. System Design and Construction of a Cadaver Section Display: Integrated Platform for Active Learning**

ERTAŞ A., ÇUVALCI O., SHAW C., WEITLAU H.

SDPS, The Third World Conference on Integrated Design and Process Technology, Germany, vol.1, pp.150

**IX. Design and Development of a New Peanut Curing Process for West Texas**

- ERTAŞ A., FRENZA S., Tanju B. T., ÇUVALCI O., Maxwell T. T., Schubert M., Henning R., Butts C.  
SDPS, The Third World Conference on Integrated Design and Process Technology, Germany, vol.5, pp.44
- X. **Surtunme Katsayisini Normal ve Zaman Bagimli Belirleyen Deney Duzenegi**  
ÇUVALCI O., DURMUŞOĞLU S. S.  
1. Ulusal Deneysel Mekanik Sempozyumu, İstanbul, Turkey, pp.268
- XI. **Experimental Investigation of Galling Resistance in OCTG Connections**  
ERTAŞ A., CARPER H. J., ÇUVALCI O., Ekwaro-Osire S., Blakstone R. E.  
ASME, ETCE Offshore and Arctic Operations Symposium Proceedings, United States Of America, vol.29, pp.15
- XII. **Design of Quartz Chemical delivery Parts for High Temperature Vacuum Chambers Base of Simulation Results**  
KAPLAN E., ÜNKER F., ÇUVALCI O.  
International Conference on Advanced Technology & Sciences (ICAT'14), Antalya, Turkey, pp.159
- XIII. **Vibration Absorber for Flexible Structures: Experimental Study under Sinusoidal and Random Excitation**  
ÇUVALCI O., ERTAŞ A., ÇİÇEK İ., Ekwaro-Osire S.  
1997 International Mechanical Engineering Congress and Exposition, Active/Passive Vibration Control and Non-Linear dynamics and Structures, United States Of America, vol.95, pp.143
- XIV. **Roadway Lighting Contrast Calculations Using CCD Video Imaging Technology pp. 75 - 80, 1998.**  
ÇUVALCI O., GRANSBERG D., GREEN B., Tanju B. T.  
SDPS, The Third World Conference on Integrated Design and Process Technology, Germany, vol.5, pp.80
- XV. **Sarkacin Titresim Sondurucu Olarak Kullanilabilirliginin Deneysel Arastirilmesi**  
ÇUVALCI O., ERTAŞ A.  
6. Ulusal Deneysel Mekanik Sempozyumu, Trabzon, Turkey, vol.2, pp.505
- XVI. **Linear Olmayan Fren-Tekerlek Sisteminin Periyodik Cozumleri**  
ÇUVALCI O., ÇALIŞKAN M.  
6. Ulusal Deneysel Mekanik Sempozyumu, Trabzon, Turkey, vol.2, pp.495
- XVII. **Use of Pendulum for Passive Structural Vibrations Control: An Experimental Study**  
ERTAŞ A., ÇUVALCI O.  
14th ASME Biennial Conference on Mechanical Vibration and Noise, United States Of America, vol.56, pp.215
- XVIII. **Design and Stress Analysis of a Center Spreader of an Aircraft Seat**  
ERTAŞ A., ÇUVALCI O., Ekwaro-Osire S., HARRINGTON M., SMALL D., QI G.  
SDPS, The Third World Conference on Integrated Design and Process Technology, Germany, vol.1, pp.325
- XIX. **Nonlinear Dynamic Inter Action of a Fluid Break disc System of an Airplane Landing Gear**  
ERTAŞ A., MUSTAFA G., ÇUVALCI O.  
Third Conference on Nonlinear Vibrations, Stability, and Dynamics of Structures and Mechanisms, United States Of America, pp.1
- XX. **Investigation of Composite Coating Based on Al2O3 Doped Graphite Nanoparticles Formed on ZA-27 Alloy**  
KAPLAN E., ŞÜKÜROĞLU E. E., ÇUVALCI O.  
The Internatinonal Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, Nevşehir, Turkey, 21 - 23 June 2019, pp.578-582
- XXI. **Investigation of Hybrid Composite Coating on ZA-27 Alloy Produced by MAO**  
KAPLAN E., ŞÜKÜROĞLU E. E., ÇUVALCI O.  
The Internatinonal Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, Nevşehir, Turkey, 21 June 2019, pp.379-382
- XXII. **Microstructure Characteristic of Al2O3 Coatings Doped h-BN Particles Grown on ZA-27 Alloy**  
KAPLAN E., ŞÜKÜROĞLU E. E., ÇUVALCI O.  
The Internatinonal Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, Nevşehir, Turkey, 21 - 23 June 2019, pp.583-587
- XXIII. **Gyroscopic Inertial Truster (GIT)**  
ÇUVALCI O., Ünker F.

- 9th International Automotive Technologies Congress, İstanbul, Turkey, 13 - 15 September 2018, pp.200-205
- XXIV. **Stress Analysis and Fatigue Behaviour of PTFE-Bronze Layered Journal Bearing under Real-Time Dynamic Loading**  
Duman M. S., Kaplan E., Cuvalci O.  
9th International Conference on Tribology (Balkantrib), Turkey, 13 - 15 September 2017, vol.295
- XXV. **Stress Analysis and Fatigue Behaviour of PTFE-Bronze Layered Journal bearing under Real Time Dynamic Loading**  
DUMAN M. S., KAPLAN E., ÇUVALCI O.  
9. International Conference on Tribology, Nevşehir, Turkey, 13 - 15 September 2017, vol.1, pp.220-230
- XXVI. **Gyroscopic Vibration Absorber For Flexible Structures**  
ÜNKER F., ÇUVALCI O.  
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, 10 - 12 May 2017
- XXVII. **Gyroscopic Antigravity**  
ÜNKER F., ÇUVALCI O.  
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, 10 - 12 May 2017
- XXVIII. **Experimental Investigation of a Gyroscopic Vibration Absorber For Vibration Control of a Vertical Cantilever Beam**  
ÜNKER F., ÇUVALCI O.  
Proc. of the Fourth Intl. Conf. Advances in Civil, Structural and Mechanical Engineering- CSM 2016, Bermingam, United Kingdom, 17 - 18 March 2016, pp.78-82
- XXIX. **Nonlinear Motion Control of a Column Using a Coupled Gyroscope**  
Unker F., Cuvalci O.  
World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.2242-2252
- XXX. **Comments on "Non-Linear Piezoelectric Vibration Energy Harvesting From a Vertical Cantilever Beam with Tip Mass"**  
Unker F., Cuvalci O.  
World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.2391-2400
- XXXI. **Seismic Motion Control of a Column Using a Gyroscope**  
Unker F., Cuvalci O.  
World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.2316-2325
- XXXII. **Vibration Control of a Column Using a Gyroscope**  
Unker F., Cuvalci O.  
World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.2306-2315
- XXXIII. **FEM Analysis of Nonlinear Coupled Oscillator**  
YAMAN M., ÇUVALCI O., ŞEN S.  
IMAC-XVIII: A Conference on Structural Dynamics, San Antonio, United States Of America, 2 July - 02 October 2000, pp.1703-1709
- XXXIV. **Design a Reflectometer to Measure Pavement Reflection for Field Experiment**  
ÇUVALCI O., ERTAŞ B., GREEN B.  
SDPS/IDPT Conferance, Dallas, United States Of America, 6 April - 06 July 2000, pp.1
- XXXV. **Visibility Measurement Technique Using Photometric Images**  
ÇUVALCI O., GRANSBERG D., GREEN B., NUHRAT N.  
I999 Annual ASEE Conference Proceeding, Session: 3659, San Antonio, United States Of America, 10 February - 10 April 1999, vol.1, pp.1
- XXXVI. **Effect of Surface Coating and Tin Plating on Friction Characteristics of P-110 Tubing for Different Thread Compounds**  
ÇUVALCI O., ÇİÇEK İ., ERTAŞ A.

ASME/ETCE'99 Conference, (Proceeding in CD) Tribology-ETCE, Huston, United States Of America, 2 January - 02 March 1999, vol.1, pp.1-8

**XXXVII. Sarkac Acisinin 0 2pi Araliginda Gercek Zamanli Deneysel Olcum Teknigi**

ÇUVALCI O., GÜMÜŞ B., ERTAŞ A.

1. Ulusal Deneysel Mekanik Sempozyumu, I.T.U., Turkey, 28 - 30 September 1994, pp.173-180

**XXXVIII. A Comparison of Fracture Mechanics and S-N Curve Approaches in Designing Drill Pipe**

ERTAŞ A., MUSTAFA G., ÇUVALCI O.

ASME ETCE Offshore and Arctic Operations Symposium Proceedings, Austin, United States Of America, 2 - 06 February 1989, vol.26, pp.45-50

## Supported Projects

ÇUVALCI O., TUBITAK Project, Uyarlanmış jireskopun Yapılarda Titreşim Sönümleyici Olarak Kullanımı, 2014 - 2017

ÇUVALCI O., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Merkezi Araştırma Laboratuvarı, 2014 - 2015

ÇUVALCI O., Other International Funding Programs, Dump Truck Hydraulics Package Design Review, 1998 - 1999

ÇUVALCI O., Other International Funding Programs, Evaluation of Roadway Lighting Systems Designed by Small Target Visibility (STV)", Texas Department of Transportation, Traffic Operation, 1996 - 1999

ÇUVALCI O., Other International Funding Programs, Design, Development and Construction of a New Automated Peanut Processing Facility, 1996 - 1998

ÇUVALCI O., Other International Funding Programs, System Design and Construction of a Cadaver Section Display, 1996 - 1997

ÇUVALCI O., Other International Funding Programs, Determination of Friction Characteristic of P-110 Tubing with Tin Plating, 1991 - 1991

ÇUVALCI O., Other International Funding Programs, Determination of Nonlinear Friction Characteristic of Titanium Tubing with Various Thread Compound," sponsored by Exxon Production Research Company (\$13,000), June 1991 - September 1991., 1991 - 1991

ÇUVALCI O., Other International Funding Programs, Development of a Screening Test for Thread Compounds to Resist Galling, 1991 - 1991

ÇUVALCI O., Other International Funding Programs, Nonlinear Friction Measurement Program,, 1991 - 1991

ÇUVALCI O., Other International Funding Programs, Packed Tower Design," sponsored by Norton Chemical Process Products (\$10,000) September 1989 - December 1989., 1989 - 1989

ÇUVALCI O., Other International Funding Programs, Investigation of Galling Resistance in OCTG Connections, 1989 - 1989

ÇUVALCI O., Other International Funding Programs, An Investigation of Galling in OCTG Connections, 1989 - 1989

## Activities in Scientific Journals

The Society for Design and Process Science, Integrated Design and Process Technology (SDPS/IDPT), Editor, 1998 - 1998

## Memberships / Tasks in Scientific Organizations

TMMOB, Member, 1986 - Continues

## Scientific Refereeing

Sigma Journal of Engineering and Natural Sciences, Journal Indexed in SSCI, September 2016

TUBITAK Project, March 2014

CELAL BAYAR ÜNİVERSİTESİ FEN BİLİMLERİ DERGİSİ, Other Journals, February 2014



## Metrics

Publication: 73

Citation (WoS): 161

Citation (Scopus): 208

H-Index (WoS): 6

H-Index (Scopus): 6

## Congress and Symposium Activities

SDPS/IDPT Conference, Attendee, DALLAS, United States Of America, 2000

1999 Annual ASEE Conference, Session: 3659 (www.asee.org), Attendee, SAN ANTONIO, United States Of America, 1999

ASME/ETCE'99 Conference, (Proceeding in CD) Tribology-ETCE99-6626, Attendee, HUSTON, United States Of America, 1999

SDPS, The Third World Conference on Integrated Design and Process Technology, Attendee, BERLİN, Germany, 1998

SDPS, The Third World Conference on Integrated Design and Process Technology, Session Moderator, Germany, 1998

Seventh Conference on Nonlinear Vibrations, Stability, and Dynamics of Structures, Attendee, BLACKSBURG, United States Of America, 1998

1997 International Mechanical Engineering Congress and Exposition, Active/Passive Vibration Control and Non-Linear dynamics and Structures, Attendee, BLACKSBURG, United States Of America, 1997

SDPS, The Second World Conference on Integrated Design and Process Technology, Attendee, DALLAS, United States Of America, 1996

1. Ulusal Deneyisel Mekanik Sempozyumu, Attendee, İSTANBUL, Turkey, 1994

ASME/ETCE Dynamics and Vibration Symposium, Attendee, DALLAS, Turkey, 1994

ASME/ETCE Tribology Symposium, Attendee, AUSTIN, United States Of America, 1994

14th ASME Biennial Conference on Mechanical Vibration and Noise, Attendee, AUSTİN, United States Of America, 1993

6. Ulusal Deneyisel Mekanik Sempozyumu, Attendee, TRABZON, Turkey, 1993

Third Conference on Nonlinear Vibrations, Stability, and Dynamics of Structures and Mechanisms, Attendee, BLACKSBURG, United States Of America, 1990

ASME, ETCE Offshore and Arctic Operations Symposium, Attendee, DALLAS, United States Of America, 1990

ASME ETCE Offshore and Arctic Operations Symposium, Attendee, AUSTİN, United States Of America, 1989

## Scholarships

NATO Research Scholar, TUBITAK, 1994 - Continues

NATO Research Scholar: Turkish Scientific and Technical Research Council, TUBITAK, 1994 - Continues

DOKTORA BURSU, University, 1988 - Continues

## Awards

ÇUVALCI O., SEMİNER DÜZENLEME BELGESİ, İş Sağlığı ve Güvenliği Profesyoneller Derneği (İSAĞ), March 2015

ÇUVALCI O., Excellence in Leadership, Applied Materials, Inc., May 2010

ÇUVALCI O., Team Excellence Award, Applied Materials, Inc., May 2010

ÇUVALCI O., Team Excellence Award, Applied Materials, Inc., August 2007

ÇUVALCI O., Employee of Quarter Award, Applied Materials, Inc., February 2007

ÇUVALCI O., Team Award, Applied Materials, Inc., May 2003

ÇUVALCI O., Recognition of outstanding service, SDPS/IDPT Conference, August 1998

ÇUVALCI O., Recognition of outstanding service, Society for Design and process Technology (SDPS) Integrated Design

and Process Technology (IDPT) Conference, October 1996

## **Non Academic Experience**

Other Public Institution, Karadeniz Technical University

Other Public Institution, Trabzon Teknokent

Business Organization (private), Applied Materials, Inc.

APPLIED MATERIALS INC.

Business Organization (private), Applied Materials, Inc.

APPLIED MATERIALS INC.

Business Organization (private), Applied Materials, Inc.

APPLIED MATERIALS INC.