

Prof. OLCAN ÇUVALCI

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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. CUVALCI 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 become 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 is 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 come back to Turkey and he hired again by KTU as a full professor in 2012. Dr. ÇUVALCI served as a Dean of Engineering Faculty between year of 2013 to 2016. His several research interest 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

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, Maine, 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 Enstitue, 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 Positions

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

Undergraduate

MAKİNE MÜHENDİSLİĞİNDE DENEYLER - II, Undergraduate, 2014 - 2015

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

Supervised Theses

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

Journal articles indexed in SCI, SSCI, and AHCI

- I. **3D-Printing of Artificial Aortic Heart Valve Using UV-Cured Silicone: Design and Performance Analysis**
Ertas A., Farley-Talamantes E., ÇUVALCI O., Gecgel O.
Bioengineering, vol.12, no.1, 2025 (SCI-Expanded)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **Experimental visibility measurement technique**
 ÇUVALCI O., Gransberg D., GREEN B.
 EXPERIMENTAL TECHNIQUES, vol.24, no.4, pp.33-35, 2000 (SCI-Expanded)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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., Çuvalcı 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 sürtünme 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 Sürtünme 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

- I. **Makine Elemanları Tasarımı - Cilt 2**
ÇUVALCI O.
Nobel Akademik Yayıncılık Eğitim Danışmanlık Tic. Ltd. Şti., Ankara, 2024
- II. **Makine Elemanları Tasarımı - Cilt 1**
ÇUVALCI O.
Nobel Akademik Yayıncılık Eğitim Danışmanlık Tic. Ltd. Şti., Ankara, 2024
- III. **Makina Elemanları - I**
ÇUVALCI O.
KTÜ Matbaası, Trabzon, 2023
- IV. **Geometric Tolerancis and Applications**
Çuvalcı O.
Nobel Yayın Dağıtım, Bursa, 2021
- V. **TASARIMDA GEOMETRİK TOLERANSLARIN KULLANIMI**
ÇUVALCI O.
KTÜ Matbaası, Trabzon, 2019
- VI. **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
- VII. **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 Bocutoğlu, Ali Haydar Doğu, Editor, KTÜ, Trabzon, pp.125-146, 2015

Papers Presented at Peer-Reviewed Scientific Conferences

- 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, (Summary Text)
- 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, (Full Text)
- 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, (Full Text)
- IV. **Sarkac Acisinin 0-2p Araliginda Gercek Zamanli Deneyisel Olcum Teknigi**
ÇUVALCI O.
1. Ulusal Deneyisel Mekanik Sempozyumu, İstanbul, Turkey, pp.173, (Full Text)
- V. **Design and Optimization of Chemical Mixing System for Vacuum Chambers Base of Simulation Results**
ÜNKER F., KAPLAN E., ÇUVALCI O.
İnternational Conferance on Advenced Technology & Sciences (ICAT'14), Antalya, Turkey, pp.152, (Full Text)
- 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, (Full Text)

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, (Full Text)

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, (Full Text)

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, (Full Text)

X. Surtunme Katsayisini Normal ve Zaman Bagimli Belirleyen Deney Duzenegi

ÇUVALCI O., DURMUŞOĞLU S. S.

1. Ulusal Deneyisel Mekanik Sempozyumu, İstanbul, Turkey, pp.268, (Full Text)

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, (Full Text)

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, (Full Text)

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, (Full Text)

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, (Full Text)

XV. Sarkacin Titresim Sondurucu Olarak Kullanilabilirliğinin Deneyisel Arastirilmesi

ÇUVALCI O., ERTAŞ A.

6. Ulusal Deneyisel Mekanik Sempozyumu, Trabzon, Turkey, vol.2, pp.505, (Full Text)

XVI. Linear Olmayan Fren-Tekerlek Sisteminin Periyodik Cozumleri

ÇUVALCI O., ÇALIŞKAN M.

6. Ulusal Deneyisel Mekanik Sempozyumu, Trabzon, Turkey, vol.2, pp.495, (Full Text)

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, (Full Text)

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, (Full Text)

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, (Summary Text)

- 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, (Full Text)
- 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, (Full Text)
- 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, (Full Text)
- XXIII. **Gyroscopic Inertial Truster (GIT)**
ÇUVALCI O., Ünker F.
9th International Automotive Technologies Congress, İstanbul, Turkey, 13 - 15 September 2018, pp.200-205, (Full Text)
- 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, (Full Text)
- 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. İnternational Conferance on Tribology, Nevşehir, Turkey, 13 - 15 September 2017, vol.1, pp.220-230, (Full Text)
- XXVI. **Gyroscopic Vibration Absorber For Flexible Structures**
ÜNKER F., ÇUVALCI O.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, 10 - 12 May 2017, (Summary Text)
- XXVII. **Gyroscopic Antigravity**
ÜNKER F., ÇUVALCI O.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, 10 - 12 May 2017, (Summary Text)
- 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, (Full Text)
- 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, (Full Text)
- 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, (Full Text)
- 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, (Full Text)

- 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, (Full Text)
- 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, (Full Text)
- 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, (Full Text)
- XXXV. **Visibility Measurement Technique Using Photometric Images**
ÇUVALCI O., GRANSBERG D., GREEN B., NUHRAT N.
1999 Annual ASEE Conference Proceeding, Session: 3659, San Antonio, United States Of America, 10 February - 10 April 1999, vol.1, pp.1, (Full Text)
- 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, (Full Text)
- 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, (Full Text)
- 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, (Full Text)

Funded 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 and Roles in Scientific Organizations

TMMOB, Member, 1986 - Continues

Peer Reviews in Scientific Publications

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

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

Scientific Project Refereeing

TUBITAK Project, March 2014

Metrics

Publication: 76

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, Session Moderator, Germany, 1998

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

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

14th ASME Biennial Conference on Mechanical Vibration and Noise, Attendee, AUSTİN, United States Of America, 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., TASARIM VE TEKNİK PROGRAM YÖNETİCİSİ
Business Organization (private), Applied Materials, Inc.
APPLIED MATERIALS INC., TASARIM MÜHENDİSİ
Business Organization (private), Applied Materials, Inc.
APPLIED MATERIALS INC., SİSTEM DESTEK MÜHENDİSİ