

# Prof. YİĞİT YAZICIOĞLU

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: [I-6667-2019](https://publons.com/researcher/I-6667-2019/)

ScopusID: [8683614000](https://scopus.com/authid/detail.uri?authorId=8683614000)

Yoksis Researcher ID: [164120](https://yoksis.metu.edu.tr/yoksis/164120)

## Education Information

Doctorate, University of Illinois at Chicago, Graduate College, Mechanical Engineering, United States Of America 1999 - 2005

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Makine Mühendisliği (YI) (Tezli), Turkey 1997 - 1999

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, Turkey 1993 - 1997

## Foreign Languages

English, C2 Mastery

## Dissertations

Doctorate, Vibro-acoustic radiation from a fluid-filled viscoelastic cylindrical shell with internal turbulent flow, University Of Illinois At Chicago, 2005

Postgraduate, Development of a fuzzy controlled ABS to improve braking performance and stability of automobiles, Middle East Technical University, Graduate School of Natural and Applied Sciences, Makine Mühendisliği (YI) (Tezli), 1999

## Research Areas

Mechanical Engineering, Machine Theory and Dynamics, Engineering and Technology

## Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, 2021 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, 2016 - 2021

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, 2006 - 2016

Lecturer, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, 2005 - 2006

## Academic and Administrative Experience

Assistant Director of the Institute, Middle East Technical University, Graduate School of Natural and Applied Sciences, 2018 - Continues

## Courses

STATICS, Undergraduate, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2011 - 2012, 2008 - 2009, 2006 - 2007

COLLABORATIVE DESIGN I, Undergraduate, 2016 - 2017

CONTROL SYSTEMS, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

MODERN CONTROL, Postgraduate, 2016 - 2017, 2012 - 2013

DESIGN OF CONTROL SYSTEMS, Undergraduate, 2015 - 2016

THEORY OF MACHINES II, Undergraduate, 2007 - 2008, 2005 - 2006

STRENGTH OF MATERIALS, Undergraduate, 2007 - 2008

THEORY OF MACHINES I, Undergraduate, 2007 - 2008

MACHINE ELEMENTS I, Undergraduate, 2005 - 2006

## Advising Theses

YAZICIOĞLU Y., Design and modelling of a hybrid pressure regulator, Postgraduate, M.GÖKALP(Student), 2022

YAZICIOĞLU Y., Design of a contact type acoustic sensor for the noninvasive diagnosis of cardiovascular obstructions, Postgraduate, Ç.YAZGAN(Student), 2022

YAZICIOĞLU Y., Modelling and analysis of legged robots with temporary flight capabilities, Postgraduate, O.GÜLTEKİN(Student), 2022

YAZICIOĞLU Y., Nonlinear vibration analysis of L-shaped beams and their use in vibration reduction, Postgraduate, Y.EKİCİ(Student), 2022

Yazıcıoğlu Y., Parlaktaş V., On the analysis and design of a novel fully compliant slider-crank mechanism, Doctorate, Ç.MERVE(Student), 2020

Yazıcıoğlu Y., Electromechanical ballscrew force excitation system: Dynamic modeling and control, Postgraduate, B.DENİZHAN(Student), 2020

Yazıcıoğlu Y., Saranlı U., Design of energy efficient hopper by using parallel elasticity and wrapping cam mechanisms, Postgraduate, S.ŞAHİN(Student), 2019

Ciğeroğlu E., Yazıcıoğlu Y., Nonlinear modeling and vibration analysis of horizontal drum type washing machines, Postgraduate, C.BAYKAL(Student), 2019

Sert C., Yazıcıoğlu Y., Large eddy simulation of pressure fluctuations insidestenosed blood vessels towards noninvasive diagnosis of atherosclerosis, Doctorate, K.ÖZDEN(Student), 2018

Yazıcıoğlu Y., Non-invasive acoustic detection of vascular diseases from skin surface using computational techniques with fluid-structure interaction, Doctorate, H.ENES(Student), 2018

Yazıcıoğlu Y., Flight Test Maneuver Design for One Shot Autonomous Gliding Air Vehicles, Postgraduate, N.VEFA(Student), 2017

Saranlı A., Yazıcıoğlu Y., BODY ATTITUDE CONTROL OF A PLANAR ONE-LEGGED HOPPING ROBOT USING A NOVEL AIR DRAG ASSISTED REACTION WHEEL, Postgraduate, N.ÜNVER(Student), 2016

Yazıcıoğlu Y., DESIGN, ANALYSIS AND CONTROL OF A 3-UCU 1-S SPHERICAL WRIST AS A CAMERA PLATFORM FOR A LEGGED ROBOT, Doctorate, B.ROHANI(Student), 2015

Yazıcıoğlu Y., Kutluay Ü., AERODYNAMIC PARAMETER ESTIMATION IN FREQUENCY-DOMAIN FOR ONE-SHOT AUTONOMOUS AIR VEHICLES, Postgraduate, E.TOPBAŞ(Student), 2015

Yazıcıoğlu Y., Ciğeroğlu E., Modeling of Aircraft Aeroelastic Effects on External Store Separation, Doctorate, M.TUĞRUL(Student), 2014

Şahin M., Yazıcıoğlu Y., Active vibration control of complex structures in modal space, Postgraduate, K.MERSİN(Student), 2014

Yazıcıoğlu Y., Ciğeroğlu E., Dynamic modeling and control of a hybrid fin actuation system for an air-to-air missile, Postgraduate, T.ÇELİK(Student), 2014

Yazıcıoğlu Y., Durak B., Flutter characteristics of plate like structures, Postgraduate, M.BURAK(Student), 2014

Yazıcıoğlu Y., Özgen G. O., Simulation based ground vibration test planning for a fighter aircraft, Doctorate, S.KÖKSAL(Student), 2014

Yazıcıoğlu Y., Erkoç Ş., Investigation of structural properties of metal nanorods: Molecular dynamics simulations, Postgraduate, H.YAĞLI(Student), 2014

Sert C., Yazıcıoğlu Y., Investigation of fluid structure interaction in cardiovascular system from diagnostic and pathological perspective, Postgraduate, H.ENES(Student), 2012

Saranlı A., Yazıcıoğlu Y., Acoustic surface perception through the ground interaction of compliant legs of a hexapod robot, Postgraduate, M.CÜNEYİTOĞLU(Student), 2012

Saranlı A., Yazıcıoğlu Y., Modelling the effects of half circular compliant legs on the kinematics and dynamics of a legged robot, Postgraduate, E.SAYGINER(Student), 2010

Yazıcıoğlu Y., Akmeşe A., Line of Sight Stabilization of a Gimbal Under Passive Base Isolation, Postgraduate, K.DEMİR(Student), 2010

Yazıcıoğlu Y., Köprülü K. G., Structural vibration analysis of single walled carbon nanotubes with atom-vacancies, Postgraduate, İ.ONUR(Student), 2010

Dağ S., Yazıcıoğlu Y., Vibration fatigue analysis of structures under broadband excitation, Postgraduate, B.KOÇER(Student), 2010

Kurtuluş D. F., Yazıcıoğlu Y., Design and Development of a Mechanically Adjustable Linear Torsion Spring using Cams , Postgraduate, M.KILIÇ(Student), 2009

Yazıcıoğlu Y., Kaftanoğlu B., Development of cubic boron nitride (cBN) coating process for cutting tools, Postgraduate, H.CESUR(Student), 2009

Kadioğlu F. S., Yazıcıoğlu Y., Design and Analysis of a Multi-Axis Thrust Measurement Systems, Postgraduate, A.AYDOĞMUŞ(Student), 2009

Yazıcıoğlu Y., Yıldız E. N., DESIGN AND CONSTRUCTION OF A PRECISE COIL WINDING MACHINE FOR A FIBER OPTIC GYROSCOPE, Postgraduate, G.TUNA(Student), 2009

Yazıcıoğlu Y., Yıldız E. N., DESIGN AND CONSTRUCTION OF A PRECISE TENSION CONTROLLED OPTICAL FIBER SUPPLY UNIT FOR A FIBER OPTIC GYROSCOPE COIL WINDING MACHINE, Postgraduate, U.TÜRER(Student), 2009

Saranlı A., Yazıcıoğlu Y., Flexible multibody dynamic modeling and simulation of Rhex hexapod robot with half circular compliant legs, Postgraduate, G.ORAL(Student), 2008

## Designed Lessons

Yazıcıoğlu Y., Modern Control Systems, Postgraduate, 2010 - 2011

## Research Infrastructure Information

Ciğeroğlu E., Özgen G. O., Yazıcıoğlu Y., Özer M. B., Dişli ve Güç Aktarma Sistemleri Araştırma Merkezi, June 2021  
Yazıcıoğlu Y., ROBOTİK TEKNOLOJİLERİ ARAŞTIRMA, GELİŞTİRME VE EĞİTİM MERKEZİ, February 2018

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

- I. **An experimental design-based approach for modelling of weapon engagement zone of an air-to-air missile**  
Topbaş E., Karaca H. D., YAZICIOĞLU Y., Kasnakoğlu Ç.  
Journal of Simulation, 2024 (SCI-Expanded)
- II. **Simulation of turbulence induced sound generation inside stenosed femoral artery models with different severities and eccentricities**  
Ozden K., YAZICIOĞLU Y., SERT C.  
Computer Methods and Programs in Biomedicine, vol.208, 2021 (SCI-Expanded)
- III. **Effect of stenosis shape on the sound emitted from a constricted blood vessel**  
Ozden K., SERT C., YAZICIOĞLU Y.  
MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, vol.58, no.3, pp.643-658, 2020 (SCI-Expanded)
- IV. **On the analysis and design of a fully compliant large stroke slider-crank (rocker) mechanism**  
TANIK Ç. M., TANIK E., YAZICIOĞLU Y., PARLAKTAŞ V.  
MECHANICAL SCIENCES, vol.11, no.1, pp.29-38, 2020 (SCI-Expanded)
- V. **Numerical investigation of wall pressure fluctuations downstream of concentric and eccentric blunt stenosis models**  
Ozden K., SERT C., YAZICIOĞLU Y.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE, vol.234, no.1, pp.48-60, 2020 (SCI-Expanded)
- VI. **Computational analysis for non-invasive detection of stenosis in peripheral arteries**  
Salman H. E., YAZICIOĞLU Y.  
Medical Engineering and Physics, vol.70, pp.39-50, 2019 (SCI-Expanded)
- VII. **Experimental and numerical investigation on soft tissue dynamic response due to turbulence-induced arterial vibration**  
Salman H. E., YAZICIOĞLU Y.  
Medical and Biological Engineering and Computing, vol.57, no.8, pp.1737-1752, 2019 (SCI-Expanded)
- VIII. **Modeling of aircraft effects on external store ejection**  
Kozak M. T., Yıldız E. N., Yazıcıoğlu Y., Ciğeroğlu E.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING, vol.233, no.10, pp.3612-3626, 2019 (SCI-Expanded)
- IX. **Minimization of Ground Vibration Test Configurations for F-16 Aircraft by Subtractive Modification**  
Koksal S., Yıldız E. N., Yazıcıoğlu Y., Özgen G. O.  
Shock and Vibration, vol.2019, 2019 (SCI-Expanded)
- X. **Flow-induced vibration analysis of constricted artery models with surrounding soft tissue**  
Salman H. E., YAZICIOĞLU Y.  
JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, vol.142, no.4, pp.1913-1925, 2017 (SCI-Expanded)
- XI. **Optimal control of a half-circular compliant legged monopod**  
AYDIN Y. O., SARANLI A., YAZICIOĞLU Y., SARANLI U., LEBLEBICIOGLU K.  
CONTROL ENGINEERING PRACTICE, vol.33, pp.10-21, 2014 (SCI-Expanded)
- XII. **Structural Vibration Analysis of Single Walled Carbon Nanotubes with Atom Vacancies**  
Dogan I. O., YAZICIOĞLU Y.  
JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, vol.11, no.11, pp.2263-2275, 2014 (SCI-Expanded)

- XIII. **Lagrangian based mathematical modeling and experimental validation of a planar stabilized platform for mobile systems**  
 Rohani B., YAZICIOĞLU Y., MUTLU M., Ogucu O., Akgul E., SARANLI A.  
 JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.259, pp.955-964, 2014 (SCI-Expanded)
- XIV. **Line-of-sight stabilization of a gimbaled mechanism under passive base isolation**  
 Kandemir K. D., Akmeser A., YAZICIOĞLU Y.  
 PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING, vol.228, no.1, pp.35-43, 2014 (SCI-Expanded)
- XV. **Acoustic surface perception from naturally occurring step sounds of a dexterous hexapod robot**  
 Ozkul M. C., SARANLI A., YAZICIOĞLU Y.  
 MECHANICAL SYSTEMS AND SIGNAL PROCESSING, vol.40, no.1, pp.178-193, 2013 (SCI-Expanded)
- XVI. **Method for Dynamic Material Property Characterization of Soft-Tissue-Mimicking Isotropic Viscoelastic Materials Using Fractional Damping Models**  
 Martin B. A., Kutluay U., YAZICIOĞLU Y.  
 JOURNAL OF TESTING AND EVALUATION, vol.41, no.5, pp.804-812, 2013 (SCI-Expanded)
- XVII. **Computational analysis of high frequency fluid-structure interactions in constricted flow**  
 Salman H. E., SERT C., YAZICIOĞLU Y.  
 COMPUTERS & STRUCTURES, vol.122, pp.145-154, 2013 (SCI-Expanded)
- XVIII. **Synthesis of a torsional spring mechanism with mechanically adjustable stiffness using wrapping cams**  
 KILIÇ M., YAZICIOĞLU Y., KURTULUŞ D. F.  
 MECHANISM AND MACHINE THEORY, vol.57, pp.27-39, 2012 (SCI-Expanded)
- XIX. **A fuzzy logic controlled Anti-lock Braking System (ABS) for improved braking performance and directional stability**  
 YAZICIOĞLU Y., ÜNLÜSOY Y. S.  
 INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol.48, pp.299-315, 2008 (SCI-Expanded)
- XX. **Interdependence of pulsed ultrasound and shear stress effects on cell morphology and gene expression**  
 McCormick S. M., Saini V., Yazicioglu Y., Demou Z. N., Royston T. J.  
 Annals of Biomedical Engineering, vol.34, no.3, pp.436-445, 2006 (SCI-Expanded)
- XXI. **Acoustic radiation from a fluid-filled, subsurface vascular tube with internal turbulent flow due to a constriction**  
 Yazicioglu Y., Royston T. J., Spohnholtz T., Martin B., Loth F., Bassiouny H. S.  
 Journal of the Acoustical Society of America, vol.118, no.2, pp.1193-1209, 2005 (SCI-Expanded)
- XXII. **Surface response of a viscoelastic medium to subsurface acoustic sources with application to medical diagnosis**  
 Royston T. J., Yazicioglu Y., Loth F.  
 Journal of the Acoustical Society of America, vol.113, no.2, pp.1109-1121, 2003 (SCI-Expanded)

## Books & Book Chapters

- I. **A DYNAMIC MODEL OF RUNNING WITH A HALF-CIRCULAR COMPLIANT LEG**  
 Ankarali M. M., Sayginer E., Yazicioğlu Y., Saranli A., Saranli U.  
 in: Adaptive Mobile Robotics, A. K. M. Azad, N. J. Cowan, M. O. Tokhi, G. S. Virk, R. D. Eastman, Editor, World Scientific Publishing, Singapore, pp.425-432, 2012

## Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of Structural Parameters on the Nonlinear Vibration of L-Shaped Beams**

Ekici Y., CİĞEROĞLU E., YAZICIOĞLU Y.

41st IMAC, A Conference and Exposition on Structural Dynamics, 2023, Austin, United States Of America, 13 - 16 February 2023, pp.23-32

- II. **Nonlinear 3D Modeling and Vibration Analysis of Horizontal Drum Type Washing Machines**  
Baykal C., Cığeroğlu E., Yazıcıoğlu Y.  
37th IMAC, A Conference and Exposition on Structural Dynamics, 2019, Florida, United States Of America, 28 - 31 January 2019, pp.225-228
- III. **Vibration analysis of washing machines in the drum plane**  
BAYKAL C., CİĞEROĞLU E., YAZICIOĞLU Y.  
First International Nonlinear Dynamics Conference NODYCON 2019, ROMA, Italy, 17 - 20 February 2019
- IV. **Kinematic analysis of imaging seekers with roll-over-nod gimbal and a folded electro-optical layout**  
Kandemir K. D., YAZICIOĞLU Y., Ozkan B.  
Conference on Electro-Optical and Infrared Systems - Technology and Applications XVI, Strasbourg, France, 11 - 12 September 2019, vol.11159
- V. **Large Eddy Simulation of Blood Flow Inside Vessels for Acoustic Diagnosis of Atherosclerosis**  
Sert C., Yazıcıoğlu Y., Özden K.  
BEYOND: Workshop on Computational Sci. and Engrg., Ankara, Turkey, 20 - 21 October 2018
- VI. **Numerical Investigation of Wall Pressure Fluctuations Downstream of Ideal and Realistic Stenosed Vessel Models**  
Özden K., Sert C., Yazıcıoğlu Y.  
15th Int. Symposium on Computer Methods in Biomechanics and Biomedical Engineering, Lisbon, Portugal, 26 - 29 March 2018
- VII. **Modelling of a neck with stenosed common carotid artery**  
SALMAN H. E., YAZICIOĞLU Y.  
III. International Conference on Biomedical Technology (ICBT 2017), 6 - 08 November 2017
- VIII. **Investigation of Acoustic Radiation in Blunt and Elliptical Stenosed Vessels**  
ÖZDEN K., SERT C., YAZICIOĞLU Y.  
23rd Congress of the European Society of Biomechanics, Sevilla, Spain, 2 - 05 July 2017
- IX. **Flight test maneuver design and aerodynamic parameter estimation for single use autonomous air vehicles**  
Vefa Yavuzturk N., Topbas E., YAZICIOĞLU Y.  
AIAA Atmospheric Flight Mechanics Conference, 2017, Colorado, United States Of America, 5 - 09 June 2017
- X. **SKIN SURFACE RESPONSE DUE TO ACOUSTIC RADIATION FROM STENOSED FEMORAL ARTERY**  
Salman H. E., YAZICIOĞLU Y.  
23rd International Congress on Sound and Vibration (ICSV), Athens, Greece, 10 - 14 July 2016
- XI. **Investigation of on skin surface response due to acoustic radiation from stenosed blood vessels**  
Salman H. E., YAZICIOĞLU Y.  
170th Meeting of the Acoustical Society of America 2015, Florida, United States Of America, 2 - 06 November 2015, vol.25
- XII. **EFFECTS OF AIRCRAFT AEROELASTIC DEFORMATIONS ON EXTERNAL STORE SEPARATION DYNAMICS**  
Kozak M. T., Yildiz E. N., YAZICIOĞLU Y., CİĞEROĞLU E.  
ASME International Mechanical Engineering Congress and Exposition (IMECE2013), California, United States Of America, 15 - 21 November 2013
- XIII. **GROUND VIBRATION TEST PLANNING OF A FIGHTER AIRCRAFT BY USING A ROUGH FINITE ELEMENT MODEL**  
Koksal S., Yildiz E. N., YAZICIOĞLU Y., ÖZGEN G. O.  
ASME International Mechanical Engineering Congress and Exposition (IMECE2013), California, United States Of America, 15 - 21 November 2013
- XIV. **Computational Analysis of High Frequency Fluid-Structure Interactions in Constricted Flow**  
Salman H. E., Sert C., Yazıcıoğlu Y.  
7th MIT Conf. on Computational Fluid and Solid Mechanics, Massachusetts, United States Of America, 12 - 14 June

2013, pp.1

- XV. **A comparative evaluation of adaptive and non-adaptive Sliding Mode, LQR & PID control for platform stabilization**  
Akgul E., MUTLU M., SARANLI A., YAZICIOĞLU Y.  
2012 IEEE International Conference on Control Applications, CCA 2012, Dubrovnik, Croatia, 3 - 05 October 2012, pp.1547-1552
- XVI. **A nonlinear dynamic strategy for mathematical modeling and simulation of stabilized platform in planar motion in one body and three bodies**  
Rohani B., Akgul E., Mutlu M., Saranli A., Yazicioğlu Y.  
International Conference on Applied and Computational Mathematics ICACM 2012, Ankara, Turkey, 3 - 06 October 2012, pp.1-6
- XVII. **ACOUSTIC SURFACE PERCEPTION FOR IMPROVED MOBILITY OF LEGGED ROBOTS**  
Ozkul M. C., SARANLI A., YAZICIOĞLU Y.  
ASME International Design Engineering Technical Conferences/Computers Information in Engineering Conference, Illinois, United States Of America, 12 - 15 August 2012, pp.75-76
- XVIII. **MODELING HALF-CIRCULAR COMPLIANT LEG BY USING SIMMECHANICS**  
Ogucu M. O., SARANLI A., YAZICIOĞLU Y.  
15th International Conference on Climbing and Walking Robots and the Support Technologies for Mobile Machines, Maryland, United States Of America, 23 - 26 July 2012, pp.231-238
- XIX. **A DYNAMIC MODEL OF RUNNING WITH A HALF-CIRCULAR COMPLIANT LEG**  
Ankarali M. M., SAYGINER E., YAZICIOĞLU Y., SARANLI A., SARANLI U.  
15th International Conference on Climbing and Walking Robots and the Support Technologies for Mobile Machines, Maryland, United States Of America, 23 - 26 July 2012, pp.425-432
- XX. **A Comparative Evaluation of Adaptive and Non-adaptive Sliding Mode, LQR & PID Control for Platform Stabilization**  
Akgul E., MUTLU M., SARANLI A., YAZICIOĞLU Y.  
IEEE International Conference on Control Applications (CCA) Part of 6th IEEE Multi-Conference on Systems and Control (IEEE MSC), Dubrovnik, Croatia, 3 - 05 October 2012, pp.1547-1552
- XXI. **MODELING THE COMPLIANCE OF A VARIABLE STIFFNESS C-SHAPED LEG USING CASTIGLIANO'S THEOREM**  
ÜNLÜ AYDIN Y., Galloway K. C., YAZICIOĞLU Y., Koditschek D. E.  
ASME International Design Engineering Technical Conferences / Computers and Information in Engineering Conference, Montreal, Canada, 15 - 18 August 2010, pp.705-713
- XXII. **On the generation of a loading history with zero mean for structures subjected to multiaxial variable stresses**  
Kocer B., Yazicioğlu Y., Dağ S.  
The Ninth International Conference on Multiaxial Fatigue & Fracture ICMFF 2010, Parma, Italy, 7 - 09 June 2010, pp.211-218
- XXIII. **TASK ORIENTED KINEMATIC ANALYSIS FOR A LEGGED ROBOT WITH HALF-CIRCULAR LEG MORPHOLOGY**  
Sayginer E., Akbey T., YAZICIOĞLU Y., SARANLI A.  
IEEE International Conference on Robotics and Automation, Kobe, Japan, 12 - 17 May 2009, pp.1771-1772
- XXIV. **Design of a four-wing hovering MAV with cooperating slider crank mechanisms**  
Kılıç M., Kurtuluş D. F., Yazicioğlu Y.  
International Symposium on Light Weight Unmanned Aerial Vehicle Systems and Subsystems UAS LW 2009, Ostend, Belgium, 11 - 13 March 2009, pp.1-8
- XXV. **Transverse vibration of pre-stressed beams: An experimental technique for the determination of dynamic viscoelastic material properties of tissue mimicking materials**  
YAZICIOĞLU Y., Martin B., Navarro-Castillo K., Kutluay U., Roystonc T.  
7th European Conference on Noise Control 2008, EURONOISE 2008, Paris, France, 29 June - 04 July 2008, pp.6355-6360

- XXVI. **Helping doctors interpret the sound of blood using a multimode sonic and ultrasonic imaging system**  
Spohnholtz T., Royston T., Yazıcıoğlu Y., Martin B. A., Loth F., Bassiouny H.  
149th Meeting of the Acoustical Society of America ASA 2005, Vancouver, Canada, 16 - 20 May 2005, pp.1-2
- XXVII. **Fuzzy logic controlled ABS system for improved braking performance and directional stability**  
Yazıcıoğlu Y., Ünlüsoy Y. S.  
5th International Conference on Mechatronic Design and Modeling, Konya, Turkey, 13 - 14 September 2001, pp.49-62

## Expert Reports

- I. **Kırma makinasının değerlendirilmesi**  
BAYER Ö., YAMAN U., YAZICIOĞLU Y.  
ANKARA BÖLGE ADLİYE MAHKEMESİ 22. HUKUK DAİRESİ, pp.6, Ankara, 2017

## Supported Projects

- ŞAHİN E., ANKARALI M. M., KALKAN S., SARANLI U., YAZICIOĞLU Y., CİNBİŞ R. G., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Robotik Teknolojileri Araştırma, Geliştirme ve Eğitim Merkezi (ROMER), 2019 - Continues
- Ciğeroğlu E., Özgen G. O., Yazıcıoğlu Y., Özer M. B., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Dışli ve Güç Aktarma Sistemleri Araştırma Merkezi, 2016 - 2023
- SARANLI A., SOVUKLUK S., YAZICIOĞLU Y., Project Supported by Higher Education Institutions, Kompozit Esnek Yarım Daire Robot Bacaklarının Kuvvet-Esneme Modeli Deneysel Geçerlemesi ve Sistem Tanımlaması, 2018 - 2022
- SERT C., YAZICIOĞLU Y., ÖZDEN K., Project Supported by Higher Education Institutions, Damarlardaki Daralmaların Oluşturduğu Akustik Yayılımın Büyük Girdap Benzetimleri ile İncelenmesi, 2017 - 2019
- SERT C., YAZICIOĞLU Y., SALMAN H. E., ÖZDEN K., Project Supported by Higher Education Institutions, Kan Damarlarındaki Daralma Seviyesi ve Şekillerinin Tanısal Amaçlı Olarak Kullanımının Sayısal Benzetimlerle İncelenmesi, 2014 - 2016
- Yazıcıoğlu Y., Yavuz M. M., Project Supported by Higher Education Institutions, Daralan damarlardan geçen akışın dokularda oluşturduğu akustik yayılımın deneysel araştırması için altyapı kurulması, 2015 - 2015
- YAZICIOĞLU Y., SALMAN H. E., Project Supported by Higher Education Institutions, Damar tıkanıklığı hastalıklarında katı dokuya yayılan akustik enerjinin sayısal ve deneysel olarak incelenmesi, 2015 - 2015
- YAZICIOĞLU Y., Project Supported by Higher Education Institutions, Dolaşım Sistemindeki Kan Akışı İle Damarlar Arasındaki Etkileşimlerin Patolojik Ve Tanısal Yönlerden İncelenmesi, 2010 - 2010

## Contractual Researches

- Yazıcıoğlu Y., Özgen G. O., ROKETSAN, Aktif Titreşim Kontrol Sistemi Tasarımı, 2011 - 2013

## Metrics

- Publication: 51  
Citation (WoS): 224  
Citation (Scopus): 283  
H-Index (WoS): 8  
H-Index (Scopus): 10



## **Non Academic Experience**

UNIVERSITY OF ILLINOIS AT CHICAGO  
Procter Gamble, Mechelen, Belçika