



Bülent İrfanoğlu, Ph.D.

Assistant Professor

Atılım University

Department of Mechatronics Engineering

06830 İncek, Gölbaşı, Ankara/TURKEY

bulent.irfanoglu@atilim.edu.tr

Tel: +90 312 586 8312

EDUCATION

1999 - 2004	Middle East Technical University, Mechanical Engineering, Ph.D.
1991 - 1994	Middle East Technical University, Engineering Sciences, M.S.
1984 - 1989	Middle East Technical University, Mechanical Engineering, B.S.

ACADEMIC POSITIONS

2005-	Asst. Prof. Dr., Dept. of Mechatronics Engineering, Atılım University, Turkey
1994-1998	Research-Teaching Assistant, Aerospace and Mechanical Engineering, University of Arizona, USA
1991-1994	Research Assistant, Dept. of Engineering Sciences, Middle East Technical University, Turkey
1990-1990	Part-Time Instructor, Dept. of Industrial Engineering, Bilkent University, Turkey

JOB EXPERIENCE

1989-1990	Programmer, CAD Instructor, Middle East Technical University Computer Center, Ankara, Turkey
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RESEARCH INTERESTS

1	Mechatronics
2	Robotics
3	Control Systems
4	Sensors, Actuators and Engineering Instrumentation
5	Mechanical Vibrations, Random Vibrations, Analytical and Experimental Modal Analysis, Structural Dynamics
6	Theory of Machines and Mechanisms
7	Engineering Acoustics

PUBLICATIONS

1	Adel Agila, Dumitru Baleanu, Rajeh Eid, Bulent Irfanoglu, A freely damped oscillating fractional dynamic system modeled by fractional Euler–Lagrange equations, <i>Journal of Vibration and Control</i> , 24(7), pp. 1228-1238, 2018.
2	Adel Agila, Dumitru Baleanu, Rajeh Eid, Bulent Irfanoglu, Applications of the extended fractional Euler-Lagrange equations model to freely oscillating dynamical systems, <i>Romanian Journal of Physics</i> , 61(3-4), pp. 350-359, 2016.
3	Kutluk Bilge Arıkan, Bülent İrfanoğlu, Alp Kaçar, Mehmet Yıldız, Attitude stabilization of a novel flying robot by dynamic compensation, <i>Journal of Mechanics Engineering and Automation</i> , 3(1), pp. 362-366, 2013.
4	Husein Alwafi, Kutluk Bilge Arıkan, Bulent Irfanoglu, Attitude and altitude control of two wheel trirotor hybrid robot, <i>International Journals of Scientific Knowledge</i> , 2(1), pp. 42-56, 2013.
5	Kutluk Bilge Arıkan, Bulent Irfanoglu, Test bench to study bioinspired control for robot walking, <i>Control Engineering and Applied Informatics</i> , 13(2), pp. 76-80, 2011.

CONFERENCES

1	Mechatronic design, manufacturing and control of a reaction wheel inverted pendulum setup, Y. Tuzcu, Y. Acarbay, B. Güngör, T. Ördemir, B. İrfanoğlu, UMTIK, 2016.
2	Dart atma hareketinin video analizi ve harekette serebellumun rolü üzerine bir çalışma, B. Cengiz, C. Gürel, E. Boran, K. B. Arıkan, B. İrfanoğlu, M. Zinnuroğlu, 31. Ulusal Klinik Nörofizyoloji EEG-EMG Kongresi, 2015.
3	A CPG based gait generation for 12 dof biped robot (BIROL) using ZMP criteria, K.B. Arıkan, H. Zadeh, B. İrfanoğlu, UMTIK, 2014.
4	Two wheel self balancing hybrid-robot, K.B. Arıkan, B. İrfanoğlu, UMTIK, 2012.
5	Üç dönerkanatlı ve döner-rotorlu insansız hava aracının tasarımı, A. Kaçar, K.B. Arıkan, B. Tok, A.C. Kahvecioğlu, O. Albostan, S. Köse, B. İrfanoğlu, SAVTEK, 2012.
6	Üç döner rotorlu insansız hava aracının modellenmesi ve kontrolü, O. Albostan, A. Kaçar, B. Tok, A.C. Kahvecioğlu, S. Köse, B. İrfanoğlu, K.B. Arıkan, TOK, 2012.
7	İki tekerlekli elektrikli araç 2TEA, A. Göçmen, K.B. Arıkan, B. İrfanoğlu, EUSİS, 2011.
8	Bir dört rotor'un modal incelemesi, M. Aydemir, S. Köksal, K.B. Arıkan, B. İrfanoğlu, TOK, 2010.
9	Application of FEM/BEM method to interior acoustic field shaping by helmholtz resonators, B. Irfanoglu, M. Caliskan, ICTCA, 2003.
10	Analysis of structurally coupled acoustic fields by acoustoelasticity and integrated FEM-BEM approaches, B. Irfanoglu, M. Caliskan, A.G. Sorguc, ICSV, 2002.
11	Mixed variable direct coupling FEM-BEM approach to structural-acoustic coupling problems, B. Irfanoglu, M. Caliskan, ICSV, 2001.

CITATIONS

(Web Of Science) Citations	67
(Web Of Science) H-Index	4

PROJECTS

1	Sos Tencereleri için akıllı karıştırıcı sisteminin tasarımı ve prototip üretimi, Atılım Üniversitesi Lisans Araştırma Projesi, ATÜ-LAP-2021-17, Supervisor, 2020-2021.
2	Development of biomimetic design methodology with reverse engineering in cognitive recognition and control of biomimetic robots, Joint TÜBİTAK Project between Atılım University and University of Craiova, TÜBİTAK 109M379 ANCS, Researcher, 2010-2012.
3	Research on mimicking of human motor control with a biologically inspired robot arm, 2216 Research fellowship programme for foreign citizens, Researcher: Dr. Y. Han, Supervisors: K.B. Arıkan, B.İrfanoğlu, 2011-2012.
4	Üç dönerkanatlı özerk hava taşıtı (3DÖHAT), 001134.STZ.2011-2 Numaralı SANTEZ Projesi, Researcher, 2012-2013.

COURSES GIVEN

1	MECE 102, Fundamentals of Mechatronics
2	MECE 204, Dynamics
3	MECE 302, Mechatronic Components
4	MECE 303, Theory of Machines
5	MECE 306, Control Systems
6	MECE 308, Microcontrollers
7	MECE 403, Mechatronic Instrumentation
8	MECE 406, Digital Control
9	MECE 407-408, Undergraduate Research Project I-II
10	MECE 422, Advanced Theory of Machines
11	MECE 521-522 Control Engineering I-II
12	MECE 531, Advanced Dynamics
13	MECE 574, Industrial Automation and Robotics
14	MODES 601, Special Topics (Advanced Vibrations, Analytical and Experimental Modal Analysis, Active Vibration Control)

ADMINISTRATIVE DUTIES

2019-	Academic Advisor, Cooperative Education, Dept. of Mechatronics Engineering, Atılım University
2005-2020	Academic Advisor, Double Major and Minor Programs, Dept. of Mechatronics Engineering, Atılım University
2010-2020	Founding Member, Robotic Technologies Research and Application Center (RoTAM), Atılım University
2006-2011; 2016-	Academic Advisor, Atılım University Robot Society