

Prof.Dr. VEYSEL GAZİ

Kişisel Bilgiler

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Biyografi

Prof. Dr. Veysel Gazi Kırcaali Bulgaristan'da doğmuş ve çocukluğunu küçük bir köyde geçirmiştir. 1989 yılında zorunlu göç nedeni ile ailesi ile birlikte Türkiye'ye etmiş ve İstanbul'a yerleşmiştir.

Eğitim Durumu

- I. Doktora: Ohio Eyalet Üniversitesi, Elektrik Mühendisliği Bölümü, Columbus, Ohio, ABD, Ağustos 2002. Ana alan: Kontrol ve kumada sistemleri, Yan alanlar: Sinyal işleme ve Matematik. Tez konusu: Sürülerde Kararlılık Analizi
- II. Yüksek Lisans: Ohio Eyalet Üniversitesi, Elektrik Mühendisliği Bölümü, Columbus, Ohio, ABD, Ağustos 1998. Tez konusu: Kesik Olay Sistemlerde Sınırlı İleri-Bakış Yöntemi Kullanarak Kontrol ve Kararlılaştırma
- III. Lisans: Orta Doğu Teknik Üniversitesi, Elektrik-Elektronik Mühendisliği Bölümü, Ankara, Türkiye, Haziran 1996. Bilgisayar ve Kontrol/Kumanda Sistemleri opsiyonunda uzmanlaşma
- IV. Lise: Zeytinburnu İhsan Mermerci Lisesi, Zeytinburnu, İstanbul, Türkiye, Haziran 1991. Okul birincisi.
- V. Lise: Otets Paisiy Lisesi (Kırcaali Matematik Lisesi), Eylül 1987-Haziran 1989, Kırcaali, Bulgaristan
- VI. İlkokul: Vasil Levski Temel İlköğretim Okulu, Zvinitza Köyü, Bulgaristan.

Eğitim Bilgileri

Doktora, Ohio State University, Electrical Engineering, Amerika Birleşik Devletleri 1998 - 2002

Yüksek Lisans, Ohio State University, Electrical Engineering, Amerika Birleşik Devletleri 1996 - 1998

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 1991 - 1996

Yabancı Diller

Bulgarca, C2 Ustalık

İngilizce, C2 Ustalık

Yatırım Tezler

Tapuğı TEZLERİ

Doktora, Stability analysis of swarms, Ohio State University, Electrical Engineering, 2002

Yüksek Lisans, Control and stabilization of discrete event systems with limited look-ahead policies, Ohio State University, Electrical Engineering, 1998

Araştırma Alanları

Bilgi Sistemleri, Haberleşme ve Kontrol Mühendisliği, Kontrol ve Sistem Mühendisliği, Robotik ve Mekatronik Sistemler, Elektrik-Elektronik Mühendisliği, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., Marmara Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2017 - Devam Ediyor

Prof.Dr., Altınbaş Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2011 - 2017

Doç.Dr., İstanbul Kemerburgaz Üniversitesi, Mühendislik-Mimarlık Fakültesi, Elektrik Ve Elektronik Mühendisliği Bölümü, 2011 - 2011

Doç.Dr., Tobb Ekonomi Ve Teknoloji Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2006 - 2010

Yrd.Doç.Dr., Tobb Ekonomi Ve Teknoloji Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2004 - 2006

Yrd.Doç.Dr., Atılım Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2002 - 2004

Akademik İdari Deneyim

Altınbaş Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, 2016 - 2016

İstanbul Kemerburgaz Üniversitesi, Mühendislik-Mimarlık Fakültesi, Elektrik Ve Elektronik Mühendisliği Bölümü, 2011 - 2016

İstanbul Kemerburgaz Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Ve Bilgisayar Mühendisliği (YI) (Tezli), 2011 - 2015

Yönetilen Tezler

GAZİ V., CHEMICAL GAS CONCENTRATION MAP BUILDING AND SOURCE LOCALIZATION BY A MULTI-ROBOT SYSTEM THROUGH WHALE OPTIMIZATION ALGORITHM, Yüksek Lisans, M.ALPOĞRENCİ, 2017

GAZİ V., Tek bakış açısı derinlik kestirimi yöntemi ile robot denetimi, Yüksek Lisans, E.KARATAŞ(Öğrenci), 2010

GAZİ V., Gezin robot sistemlerinde konumlandırma ve haritalama, Yüksek Lisans, Y.ATAŞ(Öğrenci), 2010

GAZİ V., Yapay potansiyel fonksiyonlar ve panel metodu kullanarak robot dizilim kontrolü ve seyrüseferi, Yüksek Lisans, A.RAZZAK(Öğrenci), 2010

GAZİ V., Biyolojik tabanlı eniyileme yöntemleri kullanılarak çoklu robotlar ile bilinmeyen bir ortamın gerçek zamanlı kimyasal gaz yoğunluğu haritalanması, Yüksek Lisans, M.TURDUEV(Öğrenci), 2010

GAZİ V., Çok erkinli bir sistem sınıfında uyarlanırlık iç model tabanlı çıktı denetimi yöntemi ile hareket ve dizilim denetimi, Yüksek Lisans, E.GÜL(Öğrenci), 2010

GAZİ V., Dinamik komşuluklu eşzamansız dağınık parçacık sürü eniyileme yöntemi ve çok robotlu arama görevinde uygulanması, Yüksek Lisans, S.BURAK(Öğrenci), 2009

GAZİ V., Çoklu robot sistemlerinde robotlar arası haberleşme ve işbirliği kullanılarak arama verimliliğinin artırılması, Yüksek Lisans, Ö.ÇAYIRPUNAR(Öğrenci), 2009

GAZİ V., Kayan kip tekniği ve yapay potansiyel fonksiyonlar ile sürü robot hareket denetimi, Yüksek Lisans, M.İLTER(Öğrenci), 2008

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A Generalized Gazi-Passino Model With Coordinate-Coupling Matrices for Swarm Formation With Rotation Behavior**
Fedele G., D'Alfonso L., GAZİ V.
IEEE TRANSACTIONS ON CONTROL OF NETWORK SYSTEMS, cilt.9, sa.3, ss.1227-1237, 2022 (SCI-Expanded)
- II. **Target Capturing in an Ellipsoidal Region for a Swarm of Double Integrator Agents**
Bono A., D'Alfonso L., Fedele G., GAZİ V.
IEEE-CAA JOURNAL OF AUTOMATICA SINICA, cilt.9, sa.5, ss.801-811, 2022 (SCI-Expanded)
- III. **Distributed sensor deployment using potential fields**
Hanay Y. S., GAZİ V.
AD HOC NETWORKS, cilt.67, ss.77-86, 2017 (SCI-Expanded)
- IV. **Implementation Studies of Robot Swarm Navigation Using Potential Functions and Panel Methods**
Merheb A., GAZİ V., Sezer-Uzol N.
IEEE-ASME TRANSACTIONS ON MECHATRONICS, cilt.21, sa.5, ss.2556-2567, 2016 (SCI-Expanded)
- V. **Experimental studies on chemical concentration map building by a multi-robot system using bio-inspired algorithms**
Turduv M., Cabrita G., Kirtay M., GAZİ V., Marques L.
AUTONOMOUS AGENTS AND MULTI-AGENT SYSTEMS, cilt.28, sa.1, ss.72-100, 2014 (SCI-Expanded)
- VI. **Single-View Distance-Estimation-Based Formation Control of Robotic Swarms**
Fidan B., GAZİ V., Zhai S., Cen N., Karatas E.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, cilt.60, sa.12, ss.5781-5791, 2013 (SCI-Expanded)
- VII. **On Lagrangian dynamics based modeling of swarm behavior**
GAZİ V.
PHYSICA D-NONLINEAR PHENOMENA, cilt.260, ss.159-175, 2013 (SCI-Expanded)
- VIII. **A Target Tracking Approach for Nonholonomic Agents Based on Artificial Potentials and Sliding Mode Control**
GAZİ V., Fidan B., Ordonez R., Koksall M. I.
JOURNAL OF DYNAMIC SYSTEMS MEASUREMENT AND CONTROL-TRANSACTIONS OF THE ASME, cilt.134, sa.6, 2012 (SCI-Expanded)
- IX. **Asynchronous particle swarm optimization-based search with a multi-robot system: simulation and implementation on a real robotic system**
Akat S. B., GAZİ V., Marques L.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.18, sa.5, ss.749-764, 2010 (SCI-Expanded)
- X. **Comparison of three orientation agreement strategies in self-propelled particle systems with turn angle restrictions in synchronous and asynchronous settings**
Samiloglu A. T., GAZİ V., Koku A. B.
ASIAN JOURNAL OF CONTROL, cilt.10, sa.2, ss.212-232, 2008 (SCI-Expanded)
- XI. **Stability of an asynchronous swarm with time-dependent communication links**
GAZİ V.
IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS, cilt.38, sa.1, ss.267-274, 2008 (SCI-Expanded)
- XII. **Swarm tracking using artificial potentials and sliding mode control**
Yao J., Ordonez R., GAZİ V.
JOURNAL OF DYNAMIC SYSTEMS MEASUREMENT AND CONTROL-TRANSACTIONS OF THE ASME, cilt.129, sa.5, ss.749-754, 2007 (SCI-Expanded)
- XIII. **Target tracking using artificial potentials and sliding mode control**
GAZİ V., Ordonez R.
INTERNATIONAL JOURNAL OF CONTROL, cilt.80, sa.10, ss.1626-1635, 2007 (SCI-Expanded)
- XIV. **Output regulation of a class of linear systems with switched exosystems**

- GAZİ V.
INTERNATIONAL JOURNAL OF CONTROL, cilt.80, sa.10, ss.1665-1675, 2007 (SCI-Expanded)
- XV. **Decentralized output regulation of a class of nonlinear systems**
GAZİ V., Passino K. M.
INTERNATIONAL JOURNAL OF CONTROL, cilt.79, sa.12, ss.1512-1522, 2006 (SCI-Expanded)
- XVI. **Swarm aggregations using artificial potentials and sliding-mode control**
GAZİ V.
IEEE TRANSACTIONS ON ROBOTICS, cilt.21, sa.6, ss.1208-1214, 2005 (SCI-Expanded)
- XVII. **Stability of a one-dimensional discrete-time asynchronous swarm**
GAZİ V., Passino K. M.
IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS, cilt.35, sa.4, ss.834-841, 2005 (SCI-Expanded)
- XVIII. **Formation control of a multi-agent system using non-linear servomechanism**
GAZİ V.
INTERNATIONAL JOURNAL OF CONTROL, cilt.78, sa.8, ss.554-565, 2005 (SCI-Expanded)
- XIX. **A class of attractions/repulsion functions for stable swarm aggregations**
GAZİ V., Passino K. M.
INTERNATIONAL JOURNAL OF CONTROL, cilt.77, sa.18, ss.1567-1579, 2004 (SCI-Expanded)
- XX. **Stability analysis of social foraging swarms**
GAZİ V., Passino K. M.
IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS, cilt.34, sa.1, ss.539-557, 2004 (SCI-Expanded)
- XXI. **Stability analysis of swarms**
GAZİ V., Passino K. M.
IEEE TRANSACTIONS ON AUTOMATIC CONTROL, cilt.48, sa.4, ss.692-697, 2003 (SCI-Expanded)
- XXII. **Complex control system design and implementation - Using the NIST-RCS software library**
Moore M. L., GAZİ V., Passino K. M., Shackleford W. P., Proctor F. M.
IEEE CONTROL SYSTEMS MAGAZINE, cilt.19, sa.6, ss.12-28, 1999 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Coordination and control of multi-agent dynamic systems: Models and approaches**
GAZİ V., Fidan B.
Lecture Notes In Computer Science, cilt.4433, ss.71, 2007 (Scopus)
- II. **Aggregation, foraging, and formation control of swarms with non-holonomic agents using potential functions and sliding mode techniques**
GAZİ V., Fidan B., Hanay Y. S., Koksall M. I.
Turkish Journal of Electrical Engineering and Computer Sciences, cilt.15, ss.149-168, 2007 (Scopus)
- III. **Asynchronous cyclic pursuit**
Samiloglu A. T., GAZİ V., Koku A. B.
Lecture Notes In Computer Science, cilt.4095, ss.667-678, 2006 (Scopus)

Kitap & Kitap Bölümleri

- I. **Swarm Stability and Optimization**
GAZİ V., Passino K. M.
Springer, 2011
- II. **The RCS Handbook Tools for Real Time Control Systems Software Development**
GAZİ V., Moore M. L., Passino K. M., Shackleford W. P., Proctor F. M., Albus J. S.

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Modelling and Coordination of a Swarm of Quadrotors Using Lagrange Dynamics and Potential Functions**
HALCI B., GAZİ V., CİHAN O.
24th IEEE International Conference on Emerging Technologies and Factory Automation ETFA 2019, Zaragoza, Spain, İspanya, 10 - 13 Eylül 2019
- II. **Chemical Concentration Map Building Using Whale Optimization Algorithm**
Merzi A., GAZİ V.
IEEE Symposium Series on Computational Intelligence (IEEE SSCI), Hawaii, Amerika Birleşik Devletleri, 27 Kasım - 01 Aralık 2017, ss.1096-1103
- III. **Balina eniyileme Yöntemi ile Kimyasal Gaz Sızıntı Kaynağının Tespit Edilmesi**
MERZİ M. A., GAZİ V.
OTOMATİK KONTROL TÜRK MİLLÎ KOMİTESİ ULUSAL TOPLANTISI (TOK 2017), İstanbul, Türkiye, 21 - 23 Eylül 2017, ss.218-223
- IV. **Particle Swarm Optimization based Distributed Agreement in Multi-Agent Dynamic Systems**
GAZİ V., Ordonez R.
2014 IEEE SYMPOSIUM ON SWARM INTELLIGENCE (SIS), Orlando, 9 - 12 Aralık 2014, ss.174-180
- V. **Distributed Output Agreement in a Class of Uncertain Linear Heterogeneous Multi-Agent Dynamic Systems**
GAZİ V.
2014 EUROPEAN CONTROL CONFERENCE (ECC), Strasbourg, Fransa, 24 - 27 Haziran 2014, ss.177-183
- VI. **Satellite formation flying: Robust algorithms for propulsion, path planning and control**
Saaj C., Lappas V., Richie D., Gazi V., Schaub H.
2009 10th European Control Conference, ECC 2009, Budapest, Macaristan, 23 - 26 Ağustos 2009, ss.2456-2463
- VII. **Sensor coverage maximization with potential fields**
Hanay Y. S., Gazi V.
19th IEEE Symposium on Computers and Communications, ISCC 2014, Funchal, Portekiz, 23 - 26 Haziran 2014
- VIII. **Virtual Cancellation Plume for Multiple Odor Source Localization**
Cabrita G., Marques L., GAZİ V.
2013 IEEE/RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS (IROS), Tokyo, Japonya, 3 - 08 Kasım 2013, ss.5552-5558
- IX. **Adaptive Formation Control and Target Tracking in a Class of Multi-Agent Systems: Formation Maneuvers**
GAZİ V., Fidan B.
2013 13TH INTERNATIONAL CONFERENCE ON CONTROL, AUTOMATION AND SYSTEMS (ICCAS 2013), Gwangju, Güney Kore, 20 - 23 Ekim 2013, ss.78-85
- X. **Stable Adaptive Particle Swarm Optimization**
Djaneye Boundjou O., Ordonez R., GAZİ V.
2013 13TH INTERNATIONAL CONFERENCE ON CONTROL, AUTOMATION AND SYSTEMS (ICCAS 2013), Gwangju, Güney Kore, 20 - 23 Ekim 2013, ss.440-445
- XI. **Distributed Adaptive Output Agreement in a Class of Multi-Agent Systems**
GAZİ V.
2013 9TH ASIAN CONTROL CONFERENCE (ASCC), İstanbul, Türkiye, 23 - 26 Haziran 2013
- XII. **Indirect Adaptive Formation Control with Nonlinear Dynamics and Parametric Uncertainty**
Güler S., Köksal N., Fidan B., GAZİ V.
2013 9TH ASIAN CONTROL CONFERENCE (ASCC), İstanbul, Türkiye, 23 - 26 Haziran 2013
- XIII. **Stochastic Stability Analysis of the Particle Dynamics in the PSO Algorithm**

GAZİ V.

2012 IEEE MULTI-CONFERENCE ON SYSTEMS AND CONTROL (2012 IEEE MSC), Dubrovnik, Hırvatistan, 3 - 05 Ekim 2012, ss.708-713

XIV. Adaptive Internal Model Based Formation Control of a Class of Multi-Agent Systems with Switched Exosystems

Gül E., GAZİ V.

PROCEEDINGS OF THE 2012 24TH CHINESE CONTROL AND DECISION CONFERENCE (CCDC), Taiyuan, Çin, 23 - 25 Mayıs 2012, ss.6-13

XV. Experimental study of robot formation control and navigation using potential functions and panel method

Merheb A., Gazi V., Sezer-Uzol N.

Joint 41st International Symposium on Robotics, ISR 2010 and 6th German Conference on Robotics 2010, ROBOTIK 2010, Munich, Almanya, 7 - 09 Haziran 2010, cilt.1, ss.586-593

XVI. Implementation of Robot Formation Control and Navigation Using Real-Time Panel Method

Merheb A., Ataş Y., GAZİ V., Sezer-Uzol N.

IEEE/RSJ 2010 INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS (IROS 2010), Taipei, Tayvan, 18 - 22 Ekim 2010

XVII. Cooperative Chemical Concentration Map Building Using Decentralized Asynchronous Particle Swarm Optimization Based Search by Mobile Robots

Turduev M., Ataş Y., Sousa P., GAZİ V., Marques L.

IEEE/RSJ 2010 INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS (IROS 2010), Taipei, Tayvan, 18 - 22 Ekim 2010

XVIII. Chemical Concentration Map Building Through Bacterial Foraging Optimization Based Search Algorithm by Mobile Robots

Turduev M., Kirtay M., Sousa P., GAZİ V., Marques L.

IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN AND CYBERNETICS (SMC 2010), İstanbul, Türkiye, 10 - 13 Ekim 2010, ss.3242-3249

XIX. Adaptive Formation Control and Target Tracking in a Class of Multi-Agent Systems

Duran S., GAZİ V.

2010 AMERICAN CONTROL CONFERENCE, Baltimore, 30 Haziran - 02 Temmuz 2010, ss.75-80

XX. Adaptive Internal Model Based Formation Control of a Class of Multi-Agent Systems

Gül E., GAZİ V.

2010 AMERICAN CONTROL CONFERENCE, Baltimore, 30 Haziran - 02 Temmuz 2010, ss.4800-4805

XXI. Design of circling around a target controllers for mobile robots by feedback linearization

Samiloglu A. T., Gazi V., Bugra Koku A.

IFAC International Workshop on Periodic Control Systems, PSYCO 2010, Antalya, Türkiye, 26 - 28 Ağustos 2010, cilt.4, ss.138-143

XXII. Target tracking using adaptive gain backstepping control

Fidan B., Gazi V.

10th IFAC International Workshop on Adaptation and Learning in Control and Signal Processing, ALCOSP 2010, Antalya, Türkiye, 26 - 28 Ağustos 2010, cilt.1, ss.83-88

XXIII. Experimental study on the effects of communication range on cooperative robotic search in complex environments

Çaylırpınar Ö., Gazi V., Tavli B., Cervera E., Witkowski U., Penders J.

2009 2nd International Conference on Robot Communication and Coordination, RoboComm 2009, Odense, Danimarka, 31 Mart - 02 Nisan 2009

XXIV. An Experiment on Squad Navigation of Human and Robots

Nomdedeo L., Cervera E., GAZİ V.

2008 10TH INTERNATIONAL CONFERENCE ON CONTROL AUTOMATION ROBOTICS VISION: ICARV 2008, VOLS 1-4, Ha-Noi, Vietnam, 17 - 20 Aralık 2008, ss.1212

XXV. A synergetic approach for developing practical multi-robot applications

- Cervera E., Gazi V.
39th International Symposium on Robotics, ISR 2008, Seoul, Güney Kore, 15 - 17 Ekim 2008, ss.495-498
- XXVI. **Single view depth estimation based formation control of robotic swarms: Implementation using realistic robot simulator**
Gazi V., Fidan B., Zhai S.
11th International Conference on Climbing and Walking Robots and the Support Technologies for Mobile Machines, CLAWAR 2008, Coimbra, Portekiz, 8 - 10 Eylül 2008, ss.1079-1089
- XXVII. **Agents at Play: Off-the-shelf Software for Practical Multi-robot Applications**
Cervera E., Sales J., Nomdedeo L., Marin R., GAZİ V.
2008 IEEE/RSJ INTERNATIONAL CONFERENCE ON ROBOTS AND INTELLIGENT SYSTEMS, VOLS 1-3, CONFERENCE PROCEEDINGS, Nice, Fransa, 22 - 26 Eylül 2008, ss.2719
- XXVIII. **Decentralized Asynchronous Particle Swarm Optimization**
Akat S. B., GAZİ V.
2008 IEEE SWARM INTELLIGENCE SYMPOSIUM, St Louis, 21 - 23 Eylül 2008, ss.194-201
- XXIX. **Particle Swarm Optimization with Dynamic Neighborhood Topology: Three Neighborhood Strategies and Preliminary Results**
Akat S. B., GAZİ V.
2008 IEEE SWARM INTELLIGENCE SYMPOSIUM, St Louis, 21 - 23 Eylül 2008, ss.152-159
- XXX. **Agent Standard Protocols for Building Multi-Robot Applications**
Cervera E., GAZİ V.
IAS-10: INTELLIGENT AUTONOMOUS SYSTEMS 10, Baden Baden, 24 Temmuz 2008, ss.1-5
- XXXI. **Single View Depth Estimation Based Formation Control of Robotic Swarms: Obstacle Avoidance, Simulation, and Practical Issues**
Zhai S., Fidan B., Öztürk Ş. Ç., GAZİ V.
2008 MEDITERRANEAN CONFERENCE ON CONTROL AUTOMATION, VOLS 1-4, Ajaccio, Fransa, 25 - 27 Haziran 2008, ss.1807
- XXXII. **Tracking a Maneuvering Target with a Non-holonomic Agent Using Artificial Potentials and Sliding Mode Control**
Koksal M. I., GAZİ V., Fidan B., Ordonez R.
2008 MEDITERRANEAN CONFERENCE ON CONTROL AUTOMATION, VOLS 1-4, Ajaccio, Fransa, 25 - 27 Haziran 2008, ss.1324
- XXXIII. **Coordination and control of multi-agent dynamic systems: Models and approaches**
Gazi V., Fidan B.
2nd International Workshop on Swarm Robotics, SAB 2006, Rome, İtalya, 30 Eylül - 01 Ekim 2006, ss.71-102
- XXXIV. **Asynchronous particle swarm optimization**
GAZİ V.
2007 IEEE 15TH SIGNAL PROCESSING AND COMMUNICATIONS APPLICATIONS, VOLS 1-3, Eskişehir, Türkiye, 11 - 13 Haziran 2007, ss.41-44
- XXXV. **Particle swarm optimization with dynamic neighborhood**
GAZİ V.
2007 IEEE 15TH SIGNAL PROCESSING AND COMMUNICATIONS APPLICATIONS, VOLS 1-3, Eskişehir, Türkiye, 11 - 13 Haziran 2007, ss.37-40
- XXXVI. **Formation control with potential functions and Newton's iteration**
Hanay Y. S., Hunerli H. V., Koksal M. I., Samiloglu A. T., Gazi V.
2007 9th European Control Conference, ECC 2007, Kos, Yunanistan, 2 - 05 Temmuz 2007, ss.4584-4590
- XXXVII. **Aggregation in a swarm of non-holonomic agents using artificial potentials and sliding mode control**
Gazi V., Koksal M. I., Fidan B.
2007 9th European Control Conference, ECC 2007, Kos, Yunanistan, 2 - 05 Temmuz 2007, ss.1485-1491
- XXXVIII. **Spacecraft swarm navigation and control using artificial potential field and sliding mode control**
Saaj C. M., Lappas V., GAZİ V.
2006 IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL TECHNOLOGY, VOLS 1-6, Bombay, 15 - 17 Aralık 2006,

- XXXIX. **Swarm tracking using artificial potentials and sliding mode control**
Yao J., Ordonez R., GAZİ V.
PROCEEDINGS OF THE 45TH IEEE CONFERENCE ON DECISION AND CONTROL, VOLS 1-14, San Diego, 13 - 15 Aralık 2006, ss.4670
- XL. **Effects of asynchronism and neighborhood size on clustering in self-propelled particle systems**
Samiloglu A. T., GAZİ V., Koku A. B.
COMPUTER AND INFORMATION SCIENCES - ISCIS 2006, PROCEEDINGS, İstanbul, Türkiye, 1 - 03 Kasım 2006, cilt.4263, ss.665-676
- XLI. **Asynchronous cyclic pursuit**
Şamiloğlu A. T., Gazi V., Koku B.
9th International Conference on Simulation of Adaptive Behavior, SAB 2006, Rome, İtalya, 25 - 29 Eylül 2006, ss.667-678
- XLII. **Target tracking using artificial potentials and sliding mode control**
GAZİ V., Ordonez R.
PROCEEDINGS OF THE 2004 AMERICAN CONTROL CONFERENCE, VOLS 1-6, Boston, 30 Haziran - 02 Temmuz 2004
- XLIII. **Swarm aggregations using artificial potentials and sliding mode control**
GAZİ V.
42ND IEEE CONFERENCE ON DECISION AND CONTROL, VOLS 1-6, PROCEEDINGS, Maui, 9 - 12 Aralık 2003, ss.2041-2046
- XLIV. **Formation control of a multi-agent system using decentralized nonlinear servomechanism**
GAZİ V.
42ND IEEE CONFERENCE ON DECISION AND CONTROL, VOLS 1-6, PROCEEDINGS, Maui, 9 - 12 Aralık 2003, ss.2531-2536
- XLV. **Stability analysis of social foraging swarms: Combined effects of attractant/repellent profiles**
GAZİ V., Passino K. M.
PROCEEDINGS OF THE 41ST IEEE CONFERENCE ON DECISION AND CONTROL, VOLS 1-4, LAS VEGAS, 10 - 13 Aralık 2002, ss.2848-2853
- XLVI. **A class of attraction/repulsion functions for stable swarm aggregations**
GAZİ V., Passino K. M.
PROCEEDINGS OF THE 41ST IEEE CONFERENCE ON DECISION AND CONTROL, VOLS 1-4, LAS VEGAS, 10 - 13 Aralık 2002, ss.2842-2847
- XLVII. **Stability analysis of swarms**
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