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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: ABA-3585-2020

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Yoksis Araştırmacı ID: 1949

Eğitim Bilgileri

Doktora, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Ve Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr),
Türkiye 1989 - 1994

Yüksek Lisans, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Ve Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Yıl)
(Tezli), Türkiye 1987 - 1989

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Türkiye 1983 - 1987

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2002 - Devam Ediyor
Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 1996 - 2002

Yrd.Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 1994 - 1996

Araştırma Görevlisi, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 1987 - 1994

Yönetilen Tezler

POLAT F., Using frequencies of transitions to improve reinforcement learningwith hidden states, Doktora,
H.AYDIN(Öğrenci), 2022

POLAT F., Generalizations of multi-agent path finding problem forincremental environments, Doktora, F.SEMİZ(Öğrenci),
2022

- POLAT F., EMDD-RL: Faster subgoal identification with diverse density in reinforcement learning, Yüksek Lisans, S.SUNEL(Öğrenci), 2021
- POLAT F., A context-aware model for stochastic planning in environments with hidden states, Doktora, Ö.EKMEKİ(Öğrenci), 2021
- POLAT F., Automatic identification of transitional bottlenecks in reinforcement learning under partial observability, Yüksek Lisans, H.AYDIN(Öğrenci), 2017
- POLAT F., Effective subgoal discovery and option generation in reinforcement learning, Yüksek Lisans, A.DEMİR(Öğrenci), 2016
- POLAT F., A heuristic temporal difference approach with adaptive grid discretization, Yüksek Lisans, O.BORA(Öğrenci), 2016
- POLAT F., A multi-objective recommendation system, Doktora, M.GÜLÇİN(Öğrenci), 2016
- POLAT F., Task assignment and scheduling in UAV mission planning with multiple constraints, Yüksek Lisans, F.SEMİZ(Öğrenci), 2015
- POLAT F., Factored reinforcement learning using extended sequence trees, Yüksek Lisans, C.ŞAHİN(Öğrenci), 2015
- POLAT F., Community detection in social networks, Yüksek Lisans, K.ÖZTÜRK(Öğrenci), 2014
- POLAT F., Mission planning for unmanned aerial vehicle (UAV) teams, Yüksek Lisans, S.YILGIN(Öğrenci), 2014
- POLAT F., Abstraction in reinforcement learning in partially observable environments, Doktora, E.ÇILDEN(Öğrenci), 2014
- POLAT F., Context-aware Markov decision processes, Yüksek Lisans, Ö.EKMEKİ(Öğrenci), 2014
- POLAT F., Batch mode reinforcement learning for controlling gene regulatory networks and multi-model gene expression data enrichment framework, Yüksek Lisans, U.ŞİRİN(Öğrenci), 2013
- POLAT F., Multi-objective path planning for virtual environments, Yüksek Lisans, T.ORAL(Öğrenci), 2012
- POLAT F., Efficient partially observable markov decision process based formulation of gene regulatory network control problem, Doktora, U.ERDOĞDU(Öğrenci), 2012
- POLAT F., Multiresolution formation preserving path planning in 3-D virtual environments, Yüksek Lisans, C.HOŞGÖR(Öğrenci), 2011
- POLAT F., An automated conversion of temporal databases into XML with fuzziness option, Yüksek Lisans, Ö.ÖZGÜN(Öğrenci), 2010
- POLAT F., Optimization algorithms for resource allocation problem of air tasking order preparation, Yüksek Lisans, A.ENGİN(Öğrenci), 2010
- POLAT F., Learning cooperation in hunter-prey problem via state abstraction, Yüksek Lisans, A.İŞÇEN(Öğrenci), 2009
- POLAT F., Design and implementation of a p2p contracting overlay, Yüksek Lisans, R.ÇELEBİ(Öğrenci), 2009
- POLAT F., Induction and control of large scale gene regulatory networks, Doktora, M.TAN(Öğrenci), 2009
- POLAT F., A new offline path search algorithm for computer games that considers damage as a feasibility criterion, Yüksek Lisans, S.BAYILI(Öğrenci), 2008
- POLAT F., A BDI-based multiagent simulation framework, Yüksek Lisans, M.YÜKSELEN(Öğrenci), 2008
- POLAT F., Formation preserving navigation of agent teams in 3-D terrains, Yüksek Lisans, A.GALİP(Öğrenci), 2008
- POLAT F., Single and multi agent real-time path search in dynamic and partially observable environments, Doktora, Ç.ÜNDEĞER(Öğrenci), 2007
- POLAT F., Abstraction in reinforcement learning, Doktora, S.GİRGİN(Öğrenci), 2007
- POLAT F., Multiagent moving target search in fully visible grid environments with no speed difference, Yüksek Lisans, C.EROĞUL(Öğrenci), 2006
- POLAT F., Controlling discrete genetic regulatory networks, Doktora, O.ABUL(Öğrenci), 2005
- POLAT F., Resource based plan revision in dynamic multi-agent environments, Yüksek Lisans, U.ERDOĞDU(Öğrenci), 2004
- POLAT F., Implementing KQML agent communication language for multiagent simulation architectures on HLA, Yüksek Lisans, E.GÖKTÜRK(Öğrenci), 2003
- POLAT F., Learning to coordinate for target selection, Yüksek Lisans, M.TAN(Öğrenci), 2003
- POLAT F., Coopretrieval: A cooperation framework for role-based case-based reasoning agents, Yüksek Lisans, M.ÖZGÜR(Öğrenci), 2003
- POLAT F., 2 LRL: A two-level multi-agent reinforcement learning algorithm with communication, Yüksek Lisans,

G.ERUS(Öğrenci), 2002

POLAT F., Multi-agent reinforcement learning using roles, Yüksek Lisans, E.ÇİL DEN(Öğrenci), 2001

POLAT F., Real time mission planning for virtual human agents, Yüksek Lisans, Ç.ÜNDEĞER(Öğrenci), 2001

POLAT F., Path-connecting multi-agent real-time A-star search, Yüksek Lisans, M.KEMAL(Öğrenci), 2001

POLAT F., Multilevel graph partitioning : an evolutionary approach, Yüksek Lisans, S.KÜÇÜKPETEK(Öğrenci), 2000

POLAT F., Coordination of agents in multi-agent search, Yüksek Lisans, A.ÇAKIR(Öğrenci), 2000

POLAT F., S-learning: A multi-agent reinforcement learning method, Yüksek Lisans, U.KUTER(Öğrenci), 2000

POLAT F., Multi agent reinforcement learning using function approximation, Yüksek Lisans, O.ABUL(Öğrenci), 1999

POLAT F., Forming coalitions through negotiation in multi-agent environments, Yüksek Lisans, H.ULUSOY(Öğrenci), 1999

POLAT F., Forming coalitions through negotiation in multi-agent environments, Yüksek Lisans, H.Ulusoy(Öğrenci), 1999

POLAT F., Multi-agent reinforcement learning, Yüksek Lisans, S.ŞENKUL(Öğrenci), 1999

POLAT F., Implementation of an object data model enforcing closure and reusability, Yüksek Lisans, A.YILMAZ(Öğrenci), 1998

POLAT F., Implementation of an object data model enforcing closure and reusability., Yüksek Lisans, A.F(Öğrenci), 1998

POLAT F., Distributed shrem memory linda system, Yüksek Lisans, S.OFLAZ(Öğrenci), 1998

POLAT F., Distributed shared memory implementation of linda model, Yüksek Lisans, S.Oflaz(Öğrenci), 1998

POLAT F., Solving graph partitioning problem using evolutionary heuristic, Yüksek Lisans, M.KARDAŞLAR(Öğrenci), 1998

POLAT F., Alternative plan generation for multiple query optimization, Yüksek Lisans, G.MENEKŞE(Öğrenci), 1998

POLAT F., A theoretical framework for combining multiple knowledge bases with uncertainty, Yüksek Lisans, E.Seyed(Öğrenci), 1996

POLAT F., A Theoretical framework for combining multiple knowledge bases with uncertring, Yüksek Lisans, E.SEYEDİ(Öğrenci), 1996

POLAT F., A Genetic algorithm for graph partitioning, Yüksek Lisans, E.AKMAN(Öğrenci), 1995

Jüri Üyelikleri

Doçentlik Sınavı, Doçentlik Sınavı, Sabancı Üniversitesi, Mart, 2022

Akademik Kadroya Atama-Profesörlük, Akademik Kadroya Atama, Orta Doğu Teknik Üniversitesi, Ekim, 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. Potential-based reward shaping using state-space segmentation for efficiency in reinforcement learning

Bal M. İ., AYDIN H., İYİGÜN C., POLAT F.

Future Generation Computer Systems, cilt.157, ss.469-484, 2024 (SCI-Expanded)

II. Population-based exploration in reinforcement learning through repulsive reward shaping using eligibility traces

Bal M. I., İYİGÜN C., POLAT F., AYDIN H.

Annals of Operations Research, 2024 (SCI-Expanded)

III. Solving an industry-inspired generalization of lifelong MAPF problem including multiple delivery locations

Semiz F., Yorgancı M. A., POLAT F.

Advanced Engineering Informatics, cilt.57, 2023 (SCI-Expanded)

IV. Landmark based guidance for reinforcement learning agents under partial observability

Demir A., Çilden E., Polat F.

International Journal of Machine Learning and Cybernetics, cilt.14, sa.4, ss.1543-1563, 2023 (SCI-Expanded)

V. Using chains of bottleneck transitions to decompose and solve reinforcement learning tasks with hidden states

- Aydin H., Çilden E., Polat F.
Future Generation Computer Systems, cilt.133, ss.153-168, 2022 (SCI-Expanded)
- VI. **Incremental multi-agent path finding**
Semiz F., Polat F.
FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE, cilt.116, ss.220-233, 2021 (SCI-Expanded)
- VII. **Solving the area coverage problem with UAVs: A vehicle routing with time windows variation**
SEMİZ F., POLAT F.
Robotics and Autonomous Systems, cilt.126, 2020 (SCI-Expanded)
- VIII. **Effective feature reduction for link prediction in location-based social networks**
Bayrak A. E., Polat F.
JOURNAL OF INFORMATION SCIENCE, cilt.45, ss.676-690, 2019 (SCI-Expanded)
- IX. **Automatic landmark discovery for learning agents under partial observability**
Demir A., Cilden E., Polat F.
KNOWLEDGE ENGINEERING REVIEW, cilt.34, 2019 (SCI-Expanded)
- X. **GENERATING EFFECTIVE INITIATION SETS FOR SUBGOAL-DRIVEN OPTIONS**
DEMİR A., Cilden E., POLAT F.
ADVANCES IN COMPLEX SYSTEMS, cilt.22, sa.2, 2019 (SCI-Expanded)
- XI. **A context aware model for autonomous agent stochastic planning**
Ekmekci O., POLAT F.
ROBOTICS AND AUTONOMOUS SYSTEMS, cilt.112, ss.137-153, 2019 (SCI-Expanded)
- XII. **Effective induction of gene regulatory networks using a novel recommendation method**
Ozsoy M. G., POLAT F., Alhajj R.
INTERNATIONAL JOURNAL OF DATA MINING AND BIOINFORMATICS, cilt.22, sa.2, ss.91-112, 2019 (SCI-Expanded)
- XIII. **Realizing drug repositioning by adapting a recommendation system to handle the process**
OZSOY M. G., Ozyer T., POLAT F., Alhajj R.
BMC BIOINFORMATICS, cilt.19, 2018 (SCI-Expanded)
- XIV. **Employing decomposable partially observable Markov decision processes to control gene regulatory networks**
Erdogdu U., POLAT F., Alhajj R.
ARTIFICIAL INTELLIGENCE IN MEDICINE, cilt.83, ss.14-34, 2017 (SCI-Expanded)
- XV. **Batch Mode TD(lambda) for Controlling Partially Observable Gene Regulatory Networks**
Sirin U., POLAT F., Alhajj R.
IEEE-ACM TRANSACTIONS ON COMPUTATIONAL BIOLOGY AND BIOINFORMATICS, cilt.14, sa.6, ss.1214-1227, 2017 (SCI-Expanded)
- XVI. **Making recommendations by integrating information from multiple social networks**
Ozsoy M. G., POLAT F., Alhajj R.
APPLIED INTELLIGENCE, cilt.45, sa.4, ss.1047-1065, 2016 (SCI-Expanded)
- XVII. **Effective gene expression data generation framework based on multi-model approach**
Sirin U., Erdogdu U., POLAT F., TAN M., Alhajj R.
ARTIFICIAL INTELLIGENCE IN MEDICINE, cilt.70, ss.41-61, 2016 (SCI-Expanded)
- XVIII. **MOD* Lite: An Incremental Path Planning Algorithm Taking Care of Multiple Objectives**
Oral T., POLAT F.
IEEE TRANSACTIONS ON CYBERNETICS, cilt.46, sa.1, ss.245-257, 2016 (SCI-Expanded)
- XIX. **Toward Generalization of Automated Temporal Abstraction to Partially Observable Reinforcement Learning**
Cilden E., POLAT F.
IEEE TRANSACTIONS ON CYBERNETICS, cilt.45, sa.8, ss.1414-1425, 2015 (SCI-Expanded)
- XX. **Employment of an evolutionary heuristic to solve the target allocation problem efficiently**
Bayrak A. E., POLAT F.
INFORMATION SCIENCES, cilt.222, ss.675-695, 2013 (SCI-Expanded)

- XXI. **Subtree selection in kernels for graph classification**
TAN M., POLAT F., Alhajj R.
INTERNATIONAL JOURNAL OF DATA MINING AND BIOINFORMATICS, cilt.8, sa.3, ss.294-310, 2013 (SCI-Expanded)
- XXII. **Integrating machine learning techniques into robust data enrichment approach and its application to gene expression data**
Erdogdu U., TAN M., Alhajj R., POLAT F., Rokne J., Demetrick D.
INTERNATIONAL JOURNAL OF DATA MINING AND BIOINFORMATICS, cilt.8, sa.3, ss.247-281, 2013 (SCI-Expanded)
- XXIII. **Revealing miRNA Regulation and miRNA Target Prediction Using Constraint-Based Learning**
Alshalalfa M., TAN M., Naji G., Alhajj R., POLAT F., Rokne J.
IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS, cilt.42, sa.6, ss.1354-1364, 2012 (SCI-Expanded)
- XXIV. **Formation preserving path finding in 3-D terrains**
Bayrak A. G., POLAT F.
APPLIED INTELLIGENCE, cilt.36, sa.2, ss.348-368, 2012 (SCI-Expanded)
- XXV. **Limited-Damage A*: A path search algorithm that considers damage as a feasibility criterion**
Bayili S., POLAT F.
KNOWLEDGE-BASED SYSTEMS, cilt.24, sa.4, ss.501-512, 2011 (SCI-Expanded)
- XXVI. **Influence of Prior Knowledge in Constraint-Based Learning of Gene Regulatory Networks**
TAN M., Alshalalfa M., Alhajj R., POLAT F.
IEEE-ACM TRANSACTIONS ON COMPUTATIONAL BIOLOGY AND BIOINFORMATICS, cilt.8, sa.1, ss.130-142, 2011 (SCI-Expanded)
- XXVII. **Improving reinforcement learning by using sequence trees**
Girgin S., POLAT F., Alhajj R.
MACHINE LEARNING, cilt.81, sa.3, ss.283-331, 2010 (SCI-Expanded)
- XXVIII. **Multi-agent real-time pursuit**
Undeger C., POLAT F.
AUTONOMOUS AGENTS AND MULTI-AGENT SYSTEMS, cilt.21, sa.1, ss.69-107, 2010 (SCI-Expanded)
- XXIX. **Automated Large-Scale Control of Gene Regulatory Networks**
Tan M., Alhajj R., POLAT F.
IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS, cilt.40, sa.2, ss.286-297, 2010 (SCI-Expanded)
- XXX. **Scalable approach for effective control of gene regulatory networks**
Tan M., Alhajj R., POLAT F.
ARTIFICIAL INTELLIGENCE IN MEDICINE, cilt.48, sa.1, ss.51-59, 2010 (SCI-Expanded)
- XXXI. **Real-Time Moving Target Evaluation Search**
Undeger C., POLAT F.
IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS, cilt.39, sa.3, ss.366-372, 2009 (SCI-Expanded)
- XXXII. **A layered approach to learning coordination knowledge in multiagent environments**
Erus G., Polat F.
APPLIED INTELLIGENCE, cilt.27, sa.3, ss.249-267, 2007 (SCI-Expanded)
- XXXIII. **RTTES: Real-time search in dynamic environments**
Undeger C., Polat F.
APPLIED INTELLIGENCE, cilt.27, sa.2, ss.113-129, 2007 (SCI-Expanded)
- XXXIV. **Positive impact of state similarity on reinforcement learning performance**
Girgin S., Polat F., Alhajj R.
IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS, cilt.37, sa.5, ss.1256-1270, 2007 (SCI-Expanded)
- XXXV. **Real-time edge follow: A real-time path search approach**
Undeger C., Polat F.
IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS, cilt.37, sa.5,

- ss.860-872, 2007 (SCI-Expanded)
- XXXVI. A powerful approach for effective finding of significantly differentially expressed genes**
 Abul O., Alhajj R., Polat F.
 IEEE-ACM TRANSACTIONS ON COMPUTATIONAL BIOLOGY AND BIOINFORMATICS, cilt.3, sa.3, ss.220-231, 2006
 (SCI-Expanded)
- XXXVII. Effectiveness of considering state similarity for reinforcement learning**
 Girgin S., Polat F., Alhajj R.
 INTELLIGENT DATA ENGINEERING AND AUTOMATED LEARNING - IDEAL 2006, PROCEEDINGS, cilt.4224, ss.163-171, 2006 (SCI-Expanded)
- XXXVIII. Data management research at the Middle East Technical University**
 Cicekli N., Cosar A., Dogac A., Polat F., Senkul P., Toroslu I., Yazici A.
 SIGMOD RECORD, cilt.34, sa.3, ss.81-84, 2005 (SCI-Expanded)
- XXXIX. Co-operation framework of case-based reasoning agents for automated product recommendation**
 Baykal M., Alhajj R., Polat F.
 JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE, cilt.17, sa.3, ss.201-220, 2005 (SCI-Expanded)
- XL. Multilevel graph partitioning: an evolutionary approach**
 Kucupetek S., Polat F., Oguztuzun H.
 JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, cilt.56, sa.5, ss.549-562, 2005 (SCI-Expanded)
- XLI. Views as first-class citizens in object-oriented databases**
 Alhajj R., Polat F., Yilmaz C.
 VLDB JOURNAL, cilt.14, sa.2, ss.155-169, 2005 (SCI-Expanded)
- XLII. Finding differentially expressed genes for pattern generation**
 Abul O., Alhajj R., Polat F., Barker K.
 BIOINFORMATICS, cilt.21, sa.4, ss.445-450, 2005 (SCI-Expanded)
- XLIII. Multiple-agents to identify and separate touching digits in unconstrained handwritten Hindi numerals**
 Alhajj R., Polat F.
 JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE, cilt.15, sa.4, ss.461-471, 2003 (SCI-Expanded)
- XLIV. Implementing agent communication for a multi-agent simulation infrastructure on HLA**
 Gokturk E., Polat F.
 COMPUTER AND INFORMATION SCIENCES - ISCIS 2003, cilt.2869, ss.619-626, 2003 (SCI-Expanded)
- XLV. Rule-based schema evolution in object-oriented databases**
 Alhajj R., Polat F.
 KNOWLEDGE-BASED SYSTEMS, cilt.16, sa.1, ss.47-57, 2003 (SCI-Expanded)
- XLVI. Learning intelligent behavior in a non-stationary and partially observable environment**
 Senkul S., Polat F.
 ARTIFICIAL INTELLIGENCE REVIEW, cilt.18, sa.2, ss.97-115, 2002 (SCI-Expanded)
- XLVII. Coordination of intelligent agents in real-time search**
 Cakir A., Polat F.
 EXPERT SYSTEMS, cilt.19, sa.2, ss.80-87, 2002 (SCI-Expanded)
- XLVIII. Learning sequences of compatible actions among agents**
 Polat F., Abul O.
 ARTIFICIAL INTELLIGENCE REVIEW, cilt.17, sa.1, ss.21-37, 2002 (SCI-Expanded)
- XLIX. Semantic information-based alternative plan generation for multiple query optimization**
 Polat F., Cosar A., Alhajj R.
 INFORMATION SCIENCES, cilt.137, ss.103-133, 2001 (SCI-Expanded)
- L. Multiagent reinforcement learning using function approximation**
 Abul O., Polat F., Alhajj R.
 IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS, cilt.30, sa.4,

- ss.485-497, 2000 (SCI-Expanded)
- L.I. **Using object-oriented materialized views to answer selection-based complex queries**
Alhajj R., Polat F.
INFORMATION SCIENCES, cilt.118, ss.75-99, 1999 (SCI-Expanded)
- L.II. **A multi-agent tuple-space based problem solving framework**
Polat F., Alhajj R.
JOURNAL OF SYSTEMS AND SOFTWARE, cilt.47, sa.1, ss.11-17, 1999 (SCI-Expanded)
- L.III. **Proper handling of query results towards maximizing reusability in object-oriented databases**
Alhajj R., Polat F.
INFORMATION SCIENCES, cilt.107, ss.247-272, 1998 (SCI-Expanded)
- L.IV. **Incremental view maintenance in object-oriented databases**
Alhajj R., Polat F.
DATA BASE FOR ADVANCES IN INFORMATION SYSTEMS, cilt.29, sa.3, ss.52-64, 1998 (SCI-Expanded)
- LV. **View maintenance in object-oriented databases**
Alhajj R., Polat F.
DATABASE AND EXPERT SYSTEMS APPLICATIONS, cilt.1134, ss.153-162, 1996 (SCI-Expanded)

Kitap & Kitap Bölümleri

- I. **An Evolutionary Approach for Detecting Communities in Social Networks**
POLAT F., Ozturk K.
From Security to Community Detection in Social Networking Platforms, , Editör, Springer, ss.17-44, 2019
- II. **State of the Art Applications of Social Network Analysis**
Can F., POLAT F., Ozyer T.
Springer, 2014

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Multiagent Pickup and Delivery for Capacitated Agents**
Çilden E., POLAT F.
20th International Conference on Practical Applications of Agents and Multi-Agent Systems , PAAMS 2022, L'Aquila, İtalya, 13 - 15 Temmuz 2022, cilt.13616 LNAI, ss.76-87
- II. **LIMP: Incremental Multi-agent Path Planning with LPA***
Yorgancı M. A., SEMİZ F., POLAT F.
14th International Conference on Agents and Artificial Intelligence (ICAART), ELECTR NETWORK, 3 - 05 Şubat 2022, ss.208-215
- III. **Compact Frequency Memory for Reinforcement Learning with Hidden States.**
Polat F., Aydin H., Cilden E.
PRIMA 2019: Principles and Practice of Multi-Agent Systems - 22nd International Conference, Taranto, İtalya, 28 - 31 Ekim 2019, ss.425-433
- IV. **Landmark Based Reward Shaping in Reinforcement Learning with Hidden States**
DEMİR A., Cilden E., POLAT F.
18th International Conference on Autonomous Agents and MultiAgent Systems (AAMAS), Montreal, Kanada, 13 - 17 Mayıs 2019, ss.1922-1924
- V. **Reducing Features to Improve Link Prediction Performance in Location Based Social Networks, Non-Monotonically Selected Subset from Feature Clusters**
Bayrak A. E., POLAT F.
IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Vancouver, Kanada, 27 - 30 Ağustos 2019, ss.809-815

- VI. **Mining Individual Features to Enhance Link Prediction Efficiency in Location Based Social Networks**
Bayrak A. E., Polat F.
IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Barcelona, İspanya, 28 - 31 Ağustos 2018, ss.920-925
- VII. **Using Transitional Bottlenecks to Improve Learning in Nearest Sequence Memory Algorithm**
AYDIN H., Cilden E., POLAT F.
IEEE 29th International Conference on Tools with Artificial Intelligence (ICTAI), Massachusetts, Amerika Birleşik Devletleri, 6 - 08 Kasım 2017, ss.147-152
- VIII. **A Concept Filtering Approach for Diverse Density to Discover Subgoals in Reinforcement Learning**
DEMİR A., Cilden E., POLAT F.
IEEE 29th International Conference on Tools with Artificial Intelligence (ICTAI), Massachusetts, Amerika Birleşik Devletleri, 6 - 08 Kasım 2017, ss.1-5
- IX. **Autonomous Intelligent Agents and Multi-Agent Systems**
POLAT F.
International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA 2017), 1 - 03 Kasım 2017
- X. **An Evolutionary Approach for Detecting Communities in Social Networks**
POLAT F., Ozturk K., Ozyer T.
Proceedings of the 2017 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining 2017 - ASONAM 'xx17, Sydney, Australia, 31 Temmuz - 03 Ağustos 2017
- XI. **Local Roots A Tree Based Subgoal Discovery Method to Accelerate Reinforcement Learning**
Demir A., POLAT F., Cilden E.
Machine Learning and Knowledge Discovery in Databases - European Conference, ECML PKDD 2016, 19 - 23 Eylül 2016
- XII. **A History Tree Heuristic to Generate Better Initiation Sets for Options in Reinforcement Learning**
DEMİR A., Cilden E., POLAT F.
22nd European Conference on Artificial Intelligence (ECAI), Hague, Hollanda, 29 Ağustos - 02 Eylül 2016, cilt.285, ss.1644-1645
- XIII. **Time Preference aware Dynamic Recommendation Enhanced with Location, Social Network and Temporal Information**
Ozsoy M. G., POLAT F., Alhajj R.
8th IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), San-Francisco, Kostarika, 18 - 21 Ağustos 2016, ss.909-916
- XIV. **Examining Place Categories for Link Prediction in Location Based Social Networks**
Bayrak A. E., POLAT F.
8th IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), San-Francisco, Kostarika, 18 - 21 Ağustos 2016, ss.976-979
- XV. **Inference of Gene Regulatory Networks Via Multiple Data Sources and a Recommendation Method**
Ozsoy M. G., POLAT F., Alhajj R.
IEEE International Conference on Bioinformatics and Biomedicine, Washington, Kiribati, 9 - 12 Kasım 2015, ss.661-664
- XVI. **Modeling Individuals and Making Recommendations Using Multiple Social Networks**
Ozsoy M. G., POLAT F., Alhajj R.
IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Paris, Fransa, 25 - 28 Ağustos 2015, ss.1184-1191
- XVII. **Memory Efficient Factored Abstraction for Reinforcement Learning**
Sahin C., Cilden E., POLAT F.
IEEE 2nd International Conference on Cybernetics (CYBCONF), Gdynia, Polonya, 24 - 26 Haziran 2015, ss.18-23
- XVIII. **Multi-Objective Optimization Based Location and Social Network Aware Recommendation**
Ozsoy M. G., POLAT F., Alhajj R.
10th IEEE International Conference on Collaborative Computing Networking Applications and Worksharing, Florida, Amerika Birleşik Devletleri, 22 - 25 Ekim 2014, ss.233-242

- XIX. Contextual Feature Analysis to Improve Link Prediction for Location Based Social Networks**
Bayrak A. E., POLAT F.
Proceedings of the 8th Workshop on Social Network Mining and Analysis - SNAKDD'14, New York, NY, USA, 24 - 27 Ağustos 2014
- XX. Cluster validity analysis using subsampling**
ABUL O., Lo A., Alhajj R., POLAT F.
SMC'03 Conference Proceedings. 2003 IEEE International Conference on Systems, Man and Cybernetics.
Conference Theme - System Security and Assurance (Cat. No.03CH37483), Washington, DC, USA, 5 - 08 Ağustos 2003
- XXI. Trust Based Recommendation Systems**
Ozsoy M. G., POLAT F.
IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Niagara Falls, Kanada, 25 - 28 Ağustos 2013, ss.1267-1274
- XXII. Effective Enrichment of Gene Expression Data Sets**
Sirin U., Erdogdu U., TAN M., POLAT F., Alhajj R.
11th IEEE International Conference on Machine Learning and Applications (ICMLA), Florida, Amerika Birleşik Devletleri, 12 - 15 Aralık 2012, ss.76-81
- XXIII. Abstraction in Model Based Partially Observable Reinforcement Learning using Extended Sequence Trees**
Cilden E., POLAT F.
11th IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT), Macau, Çin, 4 - 07 Aralık 2012, ss.348-355
- XXIV. A Multi-Objective Incremental Path Planning Algorithm for Mobile Agents**
Oral T., POLAT F.
11th IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT), Macau, Çin, 4 - 07 Aralık 2012, ss.401-408
- XXV. Partially Observable Gene Regulatory Network Control Without a Boundary on Horizon**
Erdogdu U., POLAT F., Alhajj R.
IEEE 24th International Conference on Tools with Artificial Intelligence (ICTAI), Athens, Yunanistan, 7 - 09 Kasım 2012, ss.81-88
- XXVI. Employing Machine Learning Techniques for Data Enrichment: Increasing the number of samples for effective gene expression data analysis**
Erdogdu U., TAN M., Alhajj R., POLAT F., Demetrick D., Rokne J.
IEEE International Conference on Bioinformatics and Biomedicine (BIBM), Georgia, Amerika Birleşik Devletleri, 12 - 15 Kasım 2011, ss.238-242
- XXVII. Reengineering relational databases to object oriented constructing the class hierarchy and migrating the data**
Alhajj R., POLAT F.
Proceedings Eighth Working Conference on Reverse Engineering, Stuttgart, Germany, 2 - 05 Ekim 2001
- XXVIII. Feature Selection for Graph Kernels**
TAN M., POLAT F., Alhajj R.
IEEE International Conference on Bioinformatics and Biomedicine (BIBM), Hong Kong, Hong Kong, 18 - 21 Aralık 2010, ss.632-637
- XXIX. The power of genetic algorithm in automated assessment of school readiness**
Suleiman I., Salman T., Gao S., POLAT F., Arslan M., Alhajj R., Ridley M.
11th IEEE International Conference on Information Reuse and Integration, IRI 2010, Nevada, Amerika Birleşik Devletleri, 4 - 06 Ağustos 2010, ss.280-285
- XXX. Derivation of Transcriptional Regulatory Relationships by Partial Least Squares Regression**
Tan M., POLAT F., Alhajj R.
IEEE International Conference on Bioinformatics and Biomedicine (BIBMW 2009), Washington, Kiribati, 1 - 04 Kasım 2009, ss.88-89

- XXXI. Large-Scale Approximate Intervention Strategies for Probabilistic Boolean Networks as Models of Gene Regulation**
Tan M., Alhajj R., POLAT F.
8th IEEE International Conference on Bioinformatics and Bioengineering, Athens, Yunanistan, 8 - 10 Ekim 2008, ss.296-297
- XXXII. Combining Multiple Types of Biological Data in Constraint-Based Learning of Gene Regulatory Networks**
Tan M., AlShalalfa M., Alhajj R., POLAT F.
IEEE Symposium on Computational Intelligence in Bioinformatics and Computational Biology, Idaho, Amerika Birleşik Devletleri, 15 - 17 Eylül 2008, ss.131-132
- XXXIII. FORMATION PRESERVING NAVIGATION OF AGENT TEAMS IN 3-D TERRAINS**
Bayrak A. G., POLAT F.
6th International Industrial Simulation Conference, Lyon, Fransa, 9 - 11 Haziran 2008, ss.148-155
- XXXIV. Real-Time Moving Target Search**
Undege C., POLAT F.
10th Pacific Rim International Conference on Multi-Agent Systems, Bangkok, Tayland, 21 - 23 Kasım 2007, cilt.5044, ss.110-111
- XXXV. Feature reduction for gene regulatory network control**
Tan M., POLAT F., Alhajj R.
7th IEEE International Conference on Bioinformatics and Bioengineering, Massachusetts, Amerika Birleşik Devletleri, 14 - 17 Ekim 2007, ss.1260-1261
- XXXVI. State Similarity Based Approach for Improving Performance in RL**
Girgin S., POLAT F., Alhajj R.
20th International Joint Conference on Artificial Intelligence, Hyderabad, Pakistan, 6 - 12 Ocak 2007, ss.817-822
- XXXVII. Asymptotical lower limits on required number of examples for learning boolean networks**
Abul O., Alhajj R., Polat F.
21st International Symposium on Computer and Information Sciences (ISCIS 2006), İstanbul, Türkiye, 1 - 03 Kasım 2006, cilt.4263, ss.154-164
- XXXVIII. Optimal multi-objective control method for discrete genetic regulatory networks**
Abul O., Alhajj R., POLAT F.
6th IEEE Symposium on BioInformatics and BioEngineering (BIBE 2006), Virginia, Amerika Birleşik Devletleri, 16 - 18 Ekim 2006, ss.281-282
- XXXIX. Learning by Automatic Option Discovery from Conditionally Terminating Sequences**
Girgin S., POLAT F., Alhajj R.
17th European Conference on Artificial Intelligence, Riva del Garda, İtalya, 28 Ağustos 2006, cilt.141, ss.494-495
- XL. Option discovery in reinforcement learning using frequent common subsequences of actions**
Girgin S., POLAT F.
International Conference on Computational Intelligence for Modelling, Control and Automation/International Conference on Intelligent Agents Web Technologies and International Commerce, Vienna, Avusturya, 28 - 30 Kasım 2005, ss.371-372
- XLI. Markov Decision Processes Based Optimal Control Policies for Probabilistic Boolean Networks**
Abul O., Alhajj R., POLAT F.
BIBE '04 Proceedings of the 4th IEEE Symposium on Bioinformatics and Bioengineering, 19 - 21 Mayıs 2004
- XLII. Efficient Automated Mining of Fuzzy Association Rules**
KAYA M., Alhajj R., POLAT F., Arslan A.
13th International Conference, DEXA 2002 Aix-en-Provence, France, September 2-6, 2002 Proceedings, 2 - 06 Eylül 2002
- XLIII. Real Time Edge Follow A New Paradigm to Real Time Path Search**
Undege C., POLAT F., Ipekkan Z.
International Conference on Intelligent Games and Simulation (GAME-ON 2001), 30 Kasım - 01 Aralık 2001
- XLIV. Alternative Plan Generation methods for Multiple Query Optimization**

Menekse G., Polat F., Cosar A.

13th International Symposium on Computer and Information Sciences (ISCIS 98), BELEK ANTALYA, Türkiye, 26 - 28 Ekim 1998, cilt.53, ss.246-253

Bilirkişi Raporları

I. Lome io Online Participatory Network Mapping Platform

POLAT F.

2015

Desteklenen Projeler

POLAT F., TÜBİTAK Projesi, Artımlı Çoklu Etmen Güzergah Planlama, 2021 - 2023

Karagöz P., Karaman A. C., Iyigün C., Özcan E., Akar H., Kuzu Demir E. B., Polat F., TÜBİTAK Projesi, YÖK Program Ve Kontenjan Yönetim Sistemi YÖK PKYS, 2018 - 2020

POLAT F., TÜBİTAK Projesi, Kısmi Gözlemlenebilir Ardisık Karar Vermede Alt Hedef Tespiti, 2016 - 2018

POLAT F., TÜBİTAK Projesi, Kısmi Gözlemlenebilir Takviye Öğrenme İçin Dolaysız Soyutlama, 2013 - 2015

POLAT F., TÜBİTAK Projesi, Kısmi Gözlemlenebilir Gen Düzenleyici Ağlarının Etkin Olarak Kontrolü, 2011 - 2013

Bilimsel Dergilerdeki Faaliyetler

Network Modeling Analysis in Health Informatics and Bioinformatics, Editörler Kurulu Üyesi, 2022 - Devam Ediyor

Network Modeling Analysis in Health Informatics and Bioinformatics, Editörler Kurulu Üyesi, 2021 - Devam Ediyor

Network Modeling Analysis in Health Informatics and Bioinformatics, Editörler Kurulu Üyesi, 2016 - Devam Ediyor

Bilimsel Hakemlikler

IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, SCI-E Kapsamındaki Dergi, Aralık 2022

IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, SCI-E Kapsamındaki Dergi, Aralık 2022

UFUK 2020 Projesi, ERC, Avrupa Araştırma Konseyi Destekli Proje, Federal Office for Agriculture and Food (BLE), Almanya, Aralık 2022

UFUK 2020 Projesi, ERC, Avrupa Araştırma Konseyi Destekli Proje, Federal Office for Agriculture and Food (BLE), Almanya, Aralık 2022

UFUK 2020 Projesi, ERC, Avrupa Araştırma Konseyi Destekli Proje, Federal Office for Agriculture and Food (BLE), Almanya, Aralık 2022

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, BLITZ TEKNOLOJİ SANAYİ TİCARET LİMİTED ŞİRKETİ (İSTANBUL), Türkiye, Ekim 2022

IEEE SIGNAL PROCESSING LETTERS, SCI-E Kapsamındaki Dergi, Eylül 2022

IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, SCI-E Kapsamındaki Dergi, Temmuz 2022

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, VAKIF KATILIM BANKASI, Türkiye, Temmuz 2022

IEEE Transactions on Games, SCI-E Kapsamındaki Dergi, Haziran 2022

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, BULUTTAN METEOROLOJİ VE TEKNOLOJİ A.Ş. (İSTANBUL), Türkiye, Mayıs 2022

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, SİBERZİNCİR DANIŞMANLIK SİBER

GÜVENLİK ULUSLARARASI EĞİTİM YAZILIM SANAYİ VE TİCARET LİMİTED ŞİRKETİ (İSTANBUL), Türkiye, Nisan 2022

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, CC BİLGİ TEKNOLOJİLERİ ANONİM ŞİRKETİ (İSTANBUL), Türkiye, Nisan 2022

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, BEYTEPE BİLİŞİM VE YAZILIM TEKNOLOJİLERİ

LİMİTED ŞİRKETİ (ANKARA), Türkiye, Nisan 2022

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, ANALYTHİNX BİLİŞİM HİZMETLERİ T.A.Ş. (İSTANBUL), Türkiye, Nisan 2022

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, BORDA TEKNOLOJİ BİLİŞİM A.Ş. (İSTANBUL), Türkiye, Nisan 2022

TÜBİTAK Projesi, 1002 - Hızlı Destek Programı, İzmir Katip Çelebi Üniversitesi, Türkiye, Mart 2022

TÜBİTAK Projesi, 1002 - Hızlı Destek Programı, Süleyman Demirel Üniversitesi, Türkiye, Ocak 2022

TÜBİTAK Projesi, 3501 - Ulusal Genç Araştırmacı Kariyer Geliştirme Programı, Kayseri Üniversitesi, Türkiye, Ocak 2022

KNOWLEDGE-BASED SYSTEMS, SCI Kapsamındaki Dergi, Kasım 2021

19th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS'21), Bildiri (Tam Metin), Haziran 2021

KNOWLEDGE-BASED SYSTEMS, SCI Kapsamındaki Dergi, Ocak 2021

KNOWLEDGE-BASED SYSTEMS, SCI Kapsamındaki Dergi, Ocak 2021

KNOWLEDGE-BASED SYSTEMS, SCI Kapsamındaki Dergi, Kasım 2020

7. Çerçeve Programı Projesi, 7. Çerçeve Programı Projesi, Federal Office for Agriculture and Food (BLE), Almanya, Eylül 2020

UFUK 2020 Projesi, FET, Yeni ve Gelişen Teknolojiler Projesi, Agencia Estatal de Investigación (AEI) , İspanya, Eylül 2020

UFUK 2020 Projesi, ERC, Avrupa Araştırma Konseyi Destekli Proje, URAL TELEKOMÜNİKASYON SANAYİ TİCARET

LİMİTED ŞİRKET, Türkiye, Ağustos 2020

TÜBİTAK Projesi, 1509 - TÜBİTAK Uluslararası Sanayi Ar-Ge Projeleri Destekleme Programı, TÜRKİYE VAGON SANAYİ A.Ş. (SAKARYA), Türkiye, Haziran 2020

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, PANATES BİLGİ TEKNOLOJİLERİ A.Ş. (İZMİR), Türkiye, Mayıs 2020

TÜBİTAK Projesi, 1001 - Bilimsel ve Teknolojik Araştırma Projelerini Destekleme Programı, TUBITAK, Türkiye, Mayıs 2020

7. Çerçeve Programı Projesi, 7. Çerçeve Programı Projesi, Federal Office for Agriculture and Food (BLE), Almanya, Mayıs 2020

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, ORGANON ANALİTİK VE DANIŞMANLIK PAZARLAMA HİZMETLERİ A.Ş. (İSTANBUL), Türkiye, Nisan 2020

UFUK 2020 Projesi, FET, Yeni ve Gelişen Teknolojiler Projesi, Agencia Estatal de Investigación (AEI) , İspanya, Nisan 2020

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, ROTORBİT MÜHENDİSLİK YAZILIM DANIŞMANLIK SANAYİ VE TİCARET LİMİTED ŞİRKETİ (İSTANBUL), Türkiye, Nisan 2020

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, LUCKYEYE BİLGİSAYAR TANITIM HİZMETLERİ YAYINCILIK VE TİCARET AŞ. (İSTANBUL), Türkiye, Nisan 2020

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, SKYSENS TEKNOLOJİ ANONİM ŞİRKETİ (İSTANBUL), Türkiye, Şubat 2020

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, ASİS ELEKTRONİK VE BİLİŞİM SİSTEMLERİ A.Ş. (İSTANBUL), Türkiye, Şubat 2020

TÜBİTAK Projesi, 1509 - TÜBİTAK Uluslararası Sanayi Ar-Ge Projeleri Destekleme Programı, T.T.G. ULUSLARARASI TELEKOMÜNİKASYON İLETİŞİM HİZ.VE ELEK.TİC. LTD. ŞTİ. (İSTANBUL), Türkiye, Şubat 2020

COMPUTER ANIMATION AND VIRTUAL WORLDS, SSCI Kapsamındaki Dergi, Ocak 2020

TÜBİTAK Projesi, 1001 - Bilimsel ve Teknolojik Araştırma Projelerini Destekleme Programı, TUBITAK-SOBAG, Türkiye, Ocak 2020

TÜBİTAK Projesi, 1001 - Bilimsel ve Teknolojik Araştırma Projelerini Destekleme Programı, TUBITAK-SOBAG, Türkiye, Ocak 2020

TÜBİTAK Projesi, 1002 - Hızlı Destek Programı, Erciyes Üniversitesi, Türkiye, Ocak 2020

TÜBİTAK Projesi, 1011 - Uluslararası Bilimsel Araştırma Projelerine Katılma Programı (UBAP), Şirket, Türkiye, Aralık 2019

Diger Ülkelerdeki Kamu Kurumları Tarafından Desteklenmiş Proje, Natural Sciences and Engineering Research Council of Canada, Kanada, Aralık 2019

TÜBİTAK Projesi, 3501 - Ulusal Genç Araştırmacı Kariyer Geliştirme Programı, Ondokuz Mayıs Üniversitesi, Türkiye, Kasım 2019

TÜBİTAK Projesi, 1002 - Hızlı Destek Programı, Süleyman Demirel Üniversitesi, Türkiye, Ekim 2019

TÜBİTAK Projesi, 1505 - Üniversite-Sanayi İşbirliği Destek Programı, Isparta Uygulamalı Bilimler Üniversitesi, Türkiye, Eylül 2019

TÜBİTAK Projesi, 1002 - Hızlı Destek Programı, Karadeniz Teknik Üniversitesi, Türkiye, Temmuz 2019

Social Network Analysis and Mining, ESCI Kapsamındaki Dergi, Haziran 2019

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, TÜRKTRUST BİLGİ İLETİŞİM VE BİLİŞİM GÜVENLİĞİ HİZ. A.Ş. (ANKARA), Türkiye, Haziran 2019

Adaptive Behavior, SCI-E Kapsamındaki Dergi, Mayıs 2019

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, KASSA MOBİL BİLGİ TEKNOLOJİLERİ ANONİM ŞİRKETİ (İSTANBUL), Türkiye, Mayıs 2019

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, AZİMECH BİLİŞİM VE YAZILIM HİZMETLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ (BURSA), Türkiye, Nisan 2019

2019 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), Bildiri (Tam Metin), Mart 2019

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, SİMTERNET YAZILIM ANONİM ŞİRKETİ (İSTANBUL), Türkiye, Mart 2019

Influence and Behavior Analysis in Social Networks and Social Media, Tanınmış Yayınevleri tarafından basılan ders kitabında bölüm, Şubat 2019

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, SMART ADVICE FİNANSAL TEKNOLOJİLER A.Ş (İSTANBUL), Türkiye, Şubat 2019

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, TNA YENİLENEBİLİR ENERJİ VE END. YAT. MÜH. MÜŞ. İNŞ. SAN. TİC. LTD. ŞTİ. (ANKARA), Türkiye, Şubat 2019

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, OSF GLOBAL SERVICES YAZILIM DANIŞMANLIK LTD. ŞTİ. (İZMİR), Türkiye, Ocak 2019

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, OTOKAR OTOMOTİV VE SAVUNMA SAN. A.Ş. (SAKARYA), Türkiye, Ocak 2019

Yükseköğretim Kurumları Destekli Proje, BAP Güdümlü, Yükseköğretim Proje Geliştirme ve Destekleme Daire Başkanlığı, Türkiye, Ocak 2019

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, VİAVIS BİLİŞİM TİC. LTD. ŞTİ., Türkiye, Aralık 2018

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, INVEON BİLGİ TEKNOLOJİLERİ DAN. VE. TİC. A.Ş., Türkiye, Aralık 2018

Diğer Ülkelerdeki Kamu Kurumları Tarafından Desteklenmiş Proje, Natural Sciences and Engineering Research Council of Canada, Kanada, Aralık 2018

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, PROBEL BİLGİSAYAR YAZILIM DONANIM SANAYİ VE TİCARET ANONİM ŞİRKETİ (İZMİR), Türkiye, Kasım 2018

Expert Systems, SCI Kapsamındaki Dergi, Ekim 2018

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, MET-AY BİLİŞİM TASARIM YAZILIM DANIŞMANLIK VE REKLAM HİZMETLERİ TİC.LTD.ŞTİ., Türkiye, Ekim 2018

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, NFOSOFT BİLGİ SİSTEMLERİ MÜHENDİSLİK VE DANIŞMANLIK LTD. ŞTİ. (ANKARA), Türkiye, Ekim 2018

EXPERT SYSTEMS, SCI Kapsamındaki Dergi, Eylül 2018

Yükseköğretim Kurumları Destekli Proje, BAP Güdümlü, YOK, Türkiye, Ağustos 2018

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, 212DATA YAZILIM DANIŞMANLIK VE TİCARET LİMİTED ŞİRKETİ (İSTANBUL), Türkiye, Ağustos 2018

KOSGEB, ACTIVATE BİLİŞİM TEKNOLOJİLERİ A.Ş , Türkiye, Ağustos 2018

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, ASİST BİLGİ TEKNOLOJİLERİ VE ELEKTRONİK HABERLEŞME LİMİTED ŞİRKETİ (İSTANBUL), Türkiye, Ağustos 2018

IEEE ACCESS, SCI Kapsamındaki Dergi, Haziran 2018

IEEE TRANSACTIONS ON CYBERNETICS, SCI Kapsamındaki Dergi, Mayıs 2018

TÜBİTAK Projesi, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Orta Doğu Teknik Üniversitesi, Türkiye, Mayıs 2018
SOCIAL NETWORK ANALYSIS AND MINING, ESCI Kapsamındaki Dergi, Nisan 2018
IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, SCI Kapsamındaki Dergi, Mart 2018
17th International Conference on Practical Applications of Agents and Multi-Agent Systems (), Bildiri (Tam Metin), Mart 2018
17th International Conference on Practical Applications of Agents and Multi-Agent Systems (iEnsemble2: Committee Machine Model-based On Heuristically-Accelerated Multiagent Reinforcement Learning), Bildiri (Tam Metin), Mart 2018
17th International Conference on Practical Applications of Agents and Multi-Agent Systems (Multi-agent based Recommender Systems: A survey), Bildiri (Tam Metin), Mart 2018
INFORMATION SCIENCES, SCI Kapsamındaki Dergi, Ocak 2018
BMC GENOMICS, SCI Kapsamındaki Dergi, Ocak 2018

Bilimsel Danışmanlıklar

Nart Bilisim ODTU TEKNOKENT, Bilimsel Projeler İçin Yapılan Danışmanlık, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Türkiye, 2022 - 2023

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Kongre ve Sempozyum Katılımı Faaliyetleri

IEEE ASONAM, Çalışma Grubu, Barcelona, İspanya, 2018

Akademi Dışı Deneyim

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