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Kişisel Bilgiler

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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 (YI)
(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 learning with hidden states, Doktora,

H.AYDIN(Öğrenci), 2022

POLAT F., Generalizations of multi-agent path finding problem for incremental 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.EKMEKÇİ(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.EKMEKÇİ(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.ÇILDEN(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
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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
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POLAT F., Distributed shared 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.Seyedi(Öğrenci), 1996
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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., İYİĞÜN C., POLAT F.
Future Generation Computer Systems, cilt.157, ss.469-484, 2024 (SCI-Expanded)
- II. **Faster MIL-based Subgoal Identification for Reinforcement Learning by Tuning Fewer Hyperparameters**
SUNEL S., Çilden E., POLAT F.
ACM Transactions on Autonomous and Adaptive Systems, cilt.19, sa.2, 2024 (SCI-Expanded)
- III. **Population-based exploration in reinforcement learning through repulsive reward shaping using eligibility traces**
Bal M. İ., İYİĞÜN C., POLAT F., AYDIN H.
Annals of Operations Research, sa.2, ss.689-725, 2024 (SCI-Expanded)
- IV. **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)
- V. **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)

- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **Automatic landmark discovery for learning agents under partial observability**
Demir A., Cilden E., Polat F.
KNOWLEDGE ENGINEERING REVIEW, cilt.34, 2019 (SCI-Expanded)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **Batch Mode TD(λ) 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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **RTTES: Real-time search in dynamic environments**
Undeger C., Polat F.
APPLIED INTELLIGENCE, cilt.27, sa.2, ss.113-129, 2007 (SCI-Expanded)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **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)
- XL. **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)
- XLI. **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)
- XLII. **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)
- XLIII. **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)
- XLIV. **Multiple-agents to identify and separate touching digits in unconstrained handwritten Hindi numerals**
Alhajj R., Polat F.
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- XLV. **Rule-based schema evolution in object-oriented databases**
Alhajj R., Polat F.
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- XLVI. **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)
- XLVII. **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)
- XLVIII. **Coordination of intelligent agents in real-time search**
Cakir A., Polat F.
EXPERT SYSTEMS, cilt.19, sa.2, ss.80-87, 2002 (SCI-Expanded)
- XLIX. **Learning sequences of compatible actions among agents**
Polat F., Abul O.
ARTIFICIAL INTELLIGENCE REVIEW, cilt.17, sa.1, ss.21-37, 2002 (SCI-Expanded)
- L. **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)
- LI. **Multiagent reinforcement learning using function approximation**
Abul O., Polat F., Alhadj R.
IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS, cilt.30, sa.4, ss.485-497, 2000 (SCI-Expanded)
- LII. **Using object-oriented materialized views to answer selection-based complex queries**
Alhadj R., Polat F.
INFORMATION SCIENCES, cilt.118, ss.75-99, 1999 (SCI-Expanded)
- LIII. **A multi-agent tuple-space based problem solving framework**
Polat F., Alhadj R.
JOURNAL OF SYSTEMS AND SOFTWARE, cilt.47, sa.1, ss.11-17, 1999 (SCI-Expanded)
- LIV. **Incremental view maintenance in object-oriented databases**
Alhadj R., Polat F.
DATA BASE FOR ADVANCES IN INFORMATION SYSTEMS, cilt.29, sa.3, ss.52-64, 1998 (SCI-Expanded)
- LV. **Proper handling of query results towards maximizing reusability in object-oriented databases**
Alhadj R., Polat F.
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- LVI. **View maintenance in object-oriented databases**
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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***
Yorganci 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**
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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

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Akademi Dışı Deneyim

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