

Lect. AYŞE NUR BİRTÜRK

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABA-4365-2020

ScopusID: 14041100500

Yoksis Researcher ID: 165111

Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Bilgisayar Mühendisliği (Dr), Turkey 1989 - 1998

Research Areas

Technical Sciences, Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Natural Language Processing, Automated Problem Solving, Theorem Proving and Logical Reasoning

Academic Titles / Tasks

Lecturer PhD, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 1994 - Continues

Advising Theses

KARAGÖZ P., BİRTÜRK A. N., Improved wind power forecasting using combination methods, Postgraduate, C.ER(Student), 2015

BİRTÜRK A. N., Basin-based clustering of hydroelectric power plants in Turkey by use of stream-flow and hydroelectric energy production data, Postgraduate, Y.ARSLAN(Student), 2015

BİRTÜRK A. N., BoRGo: a book recommender for reading groups, Postgraduate, S.Saçak(Student), 2012

BİRTÜRK A. N., An Ontology based approach to requirements reuse problem in software product lines, Postgraduate, E.Kamer(Student), 2012

BİRTÜRK A. N., An ontology-based hybrid recommendation system using semantic similarity measure and feature weighting, Postgraduate, U.Ceylan(Student), 2011

BİRTÜRK A. N., Tag-based music recommendation systems using semantic relations and multi-domain information, Postgraduate, İ.Tatlı(Student), 2011

BİRTÜRK A. N., Event ordering in Turkish texts, Postgraduate, Y.Karagöl(Student), 2010

BİRTÜRK A. N., A hybrid movie recommender using dynamic fuzzy clustering, Postgraduate, F.Gürçan(Student), 2010

BİRTÜRK A. N., Cross-lingual information retrieval on Turkish and English texts, Postgraduate, A.Boynueğri(Student), 2010

BİRTÜRK A. N., Missing link discovery in wikipedia: a comparative study, Postgraduate, Ö.Sunercan(Student), 2010
BİRTÜRK A. N., Suggest me a movie: a multi-client movie recommendation application on facebook, Postgraduate, S.Çakıroğlu(Student), 2010
BİRTÜRK A. N., Crossing: a framework to develop knowledge-based recommenders in cross domains, Postgraduate, M.Azak(Student), 2010
BİRTÜRK A. N., Enhancing accuracy of hybrid recommender systems through adapting the domain trends, Postgraduate, F.Aksel(Student), 2010
BİRTÜRK A. N., Openmore: a content-based movie recommendation system, Postgraduate, Ö.Kirmemiş(Student), 2008
BİRTÜRK A. N., Generating motion-economical plans for manual operations, Postgraduate, Ö.Canan(Student), 2005
BİRTÜRK A. N., A method for estimation of empty categories and its application to Turkish., Postgraduate, Ç.İskender(Student), 2002

Designed Lessons

Birtürk A. N., Ceng 414 Introduction to Data Mining, Undergraduate, 2016 - 2017
Birtürk A. N., Ceng 463 Introduction to Natural Language Processing, Undergraduate, 2001 - 2002

Books & Book Chapters

- I. **Short-Term Electricity Consumption Forecast using Datasets of Various Granularities.**
Arslan Y., Dilbaz A. Ş., ERTEKİN BOLELLİ Ş., Karagöz P., Birturk A. N., Eren S., Küçük D.
in: Data Analytics for Renewable Energy Integration. Technologies, Systems and Society, Woon W., Aung Z., Catalina Feliú A., Madnick S., Editor, Springer, Cham, pp.116-126, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Clustering River Basins Using Time-Series Data Mining on Hydroelectric Energy Generation.**
Arslan Y., Kucuk D., Eren S., BİRTÜRK A. N.
DARE@PKDD/ECML 2018, Dublin, Ireland, 10 - 14 September 2018, pp.103-115
- II. **Short-Term Electricity Consumption Forecast using Datasets of Various Granularities**
ARSLAN Y., ŞİMŞEK DİLBAZ A., ERTEKİN BOLELLİ Ş., KARAGÖZ P., BIRTURK A., Eren S., KÜÇÜK D.
ECML/PKDD 2018 Int. Workshop on Data Analytics for Renewable Energy Integration (DARE'xx18), 10 September 2018
- III. **Twitter Sentiment Analysis Experiments Using Word Embeddings on Datasets of Various Scales**
Arslan Y., Kucuk D., BİRTÜRK A. N.
NLDB 2018, Paris, France, 13 - 15 June 2018, pp.40-47
- IV. **Real-Time Lexicon-Based Sentiment Analysis Experiments On Twitter With A Mild (More Information, Less Data)**
Arslan Y., Birturk A., Djumabaev B., Kucuk D.
IEEE International Conference on Big Data (IEEE Big Data), Massachusetts, United States Of America, 11 - 14 December 2017, pp.1892-1897
- V. **Improved Wind Power Forecasting Using Combination Methods**
KOKSOY C. E., OZKAN M. B., BUHAN S., DEMIRCI T., Arslan Y., Birturk A. N., KARAGÖZ P.
IEEE 14th International Conference on Machine Learning and Applications ICMLA, Florida, United States Of America, 9 - 11 December 2015, pp.1142-1147
- VI. **BASIN CLUSTERING OF TURKEY BY USE OF MONTHLY STREAM-FLOW DATA**
ARSLAN Y., Birturk A. N., EREN S.
IEEE 14th International Conference on Machine Learning and Applications ICMLA, Florida, United States Of

America, 9 - 11 December 2015, pp.1169-1174

- VII. **A Hybrid Movie Recommender Using Dynamic Fuzzy Clustering**
Gurcan F., BİRTÜRK A. N.
30th International Symposium on Computer and Information Sciences (ISCIS), London, Canada, 21 - 24 September 2015, vol.363, pp.159-169
- VIII. **Performance Analysis of Data Mining Techniques for Improving the Accuracy of Wind Power Forecast Combination**
Köksoy C. E., Özkan M. B., Küçük D., Bestil A., Sonmez S., Buhan S., Demirci T., KARAGÖZ P., Birtürk A. N.
ECML Workshop DARE, 11 September 2015
- IX. **Ontology-based Software Requirements Reuse: Case Study in Fire Control Software Product Line Domain**
KARATAS E. K., İYİDIR B., Birturk A. N.
14th IEEE International Conference on Data Mining (IEEE ICDM), Shenzhen, China, 14 - 17 December 2014, pp.832-839
- X. **Suggest me a movie: A multi-client movie recommendation application on facebook**
Cakiroglu S., BİRTÜRK A. N.
25th International Symposium on Computer and Information Sciences, ISCIS 2010, London, England, 22 - 24 September 2010, vol.62 LNEE, pp.333-338
- XI. **Natural Intelligence - Commonsense Question Answering with Conceptual Graphs**
Guler F. M., Birturk A.
18th International Conference on Conceptual Structures, Kuching, Malaysia, 26 - 30 July 2010, vol.6208, pp.97-107
- XII. **CROSSING FRAMEWORK A Dynamic Infrastructure to Develop Knowledge-based Recommenders in Cross Domains**
AZAK M., Birturk A. N.
6th International Conference on Web Information Systems and Technologies, Valencia, Spain, 7 - 10 April 2010, pp.125-130
- XIII. **Wikipedia missing link discovery: A comparative study**
Sunercan O., BİRTÜRK A. N.
2010 AAAI Spring Symposium, California, United States Of America, 22 - 24 March 2010, vol.SS-10-07, pp.126-131
- XIV. **MoRe: A user controlled content based movie recommender with explanation and negative feedback**
Kirmernis O., Birturk A.
4th International Conference on Web Information Systems and Technologies, Funchal, Portugal, 4 - 07 May 2008, pp.271-274

Metrics

Publication: 15

Citation (WoS): 20

Citation (Scopus): 38

H-Index (WoS): 3

H-Index (Scopus): 4

Congress and Symposium Activities

Twitter Sentiment Analysis Experiments Using Word Embeddings on Datasets of Various Scales, Attendee, Paris, France, 2018

Non Academic Experience

METU

NEC RESEARCH INSTITUTE COMPUTER SCIENCE DIVISION PRINCETON

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