Asst. Prof. ULYA BAYRAM

Personal Information

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Education Information

Doctorate, University of Cincinnati, College of Engineering and Applied Science, Computer Science and Engineering, United States Of America 2013 - 2019

Doctorate, University of Miami, College of Arts and Sciences, Computer Science (transferred to Uni. of Cincinnati), United States Of America 2013 - 2014

Postgraduate, Middle East Technical University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 2011 - 2013

Undergraduate, Universidad Autonoma de Madrid, Faculty of Engineering, ELECTRICAL AND ELECTRONICS ENGINEERING (Erasmus Exchange), Spain 2008 - 2009

Undergraduate, Ihsan Dogramaci Bilkent University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 2005 - 2009

Foreign Languages

Spanish, B1 Intermediate
English, C2 Mastery

Certificates, Courses and Trainings

IT, Deep Learning, Neuromatch Academy, 2021

Other, Data or Specimens Only Research, The Collaborative Institutional Training Initiative (CITI Program), 2021

Vocational Training, NETCOVID Workshop: Understanding and Exploring Network Epidemiology in the Time of Coronavirus, University of Maryland, 2020

Vocational Course, Introduction to Dynamical Systems and Chaos, Santa Fe Institute, 2016

Vocational Training, Complex Systems Summer School 2016, Santa Fe Institute, 2016

Vocational Training, Formal Techniques Summer School, SRI International, 2014

Research Areas

Computer Learning, Natural Language Processing, Text/Document Processing, Neural Networks

Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Elektronik Mühendisliği, 2021 - Continues

Researcher, University of Cincinnati, College of Engineering and Applied Science, Computer Science and Engineering, 2014 - 2016

Researcher, University of Miami, College of Arts and Sciences, Computer Science, 2013 - 2014

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

I. **The unknown knowns: a graph-based approach for temporal COVID-19 literature mining**
Bayram U., Roy R., Assalil A., Benhiba L.
ONLINE INFORMATION REVIEW, 2021 (Journal Indexed in SCI)

II. **A Machine Learning Approach to Identifying Changes in Suicidal Language**
Pestian J., Santel D., Sorter M., Bayram U., Connolly B., Glauser T., Delbello M., Tamang S., Cohen K.
SUICIDE AND LIFE-THREATENING BEHAVIOR, vol.50, pp.939-947, 2020 (Journal Indexed in SSCI)

III. **A nonparametric Bayesian method of translating machine learning scores to probabilities in clinical decision support**
Connolly B., Cohen K. B. , Santel D., Bayram U., Pestian J.
BMC BIOINFORMATICS, vol.18, 2017 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **Characterizing Data Dependence Constraints for Dynamic Reliability Using n-Queens Attack Domains**
Wd Rozier E., Y Rozier K., Bayram U.
Leibniz Transactions on Embedded Systems, vol.4, no.1, pp.5-26, 2017 (International Refereed University Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Determining a Person's Suicide Risk by Voting on the Short-Term History of Tweets for the CLPsych 2021 Shared Task**
Bayram U., Benhiba L.
CLPsych | NAACL, Mexico City, Mexico, 06 June 2021, pp.81-86

II. **What's in a Word? Detecting Partisan Affiliation from Word Use in Congressional Speeches**
Bayram U., Pestian J., Santel D., Minai A. A.
2019 International Joint Conference on Neural Networks, IJCNN 2019, Budapest, Hungary, 14 - 19 July 2019

III. **A lexical network approach for identifying suicidal ideation in clinical interview transcripts**
Bayram U., A. Minai A., Pestian J.
International Conference on Complex Systems, Massachusetts, United States Of America, 22 July 2018, pp.165-172

IV. **Improving Reliability with Dynamic Syndrome Allocation in Intelligent Software Defined Data Centers**
Bayram U., Rozier E. W. D. , Divine D., Zhou P.
45th Annual IEEE/IFIP International Conference on Dependable Systems and Networks, Rio de Janeiro, Brazil, 22 - 25 June 2015, pp.219-230

V. **Characterizing Data Dependence Constraints for Dynamic Reliability Using N-Queens Attack Domains**
Bayram U., Rozier K. Y. , Rozier E. W. D.
12th International Conference on Quantitative Evaluation of Systems (QEST), Madrid, Spain, 1 - 03 September 2015, vol.9259, pp.211-227

VI. **Comparison of Cuboid and Tracklet Features for Action Recognition on Surveillance Videos**
Bayram U., Ulusoy İ., Cicekli N. K.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013

VII. **A FRAMEWORK FOR DETECTING COMPLEX EVENTS IN SURVEILLANCE VIDEOS**
Onal I., Kardas K., Rezaeitabar Y., Bayram U., Bal M., Ulusoy İ., Cicekli N. K.
IEEE International Conference on Multimedia and Expo Workshops (ICMEW), San-Jose, Costa Rica, 15 - 19 July 2013

VIII. **Unsupervised land use - land cover classification for multispectral images**
Bayram U., Can G., Yüksel B., Düzgün Ş., Yalabık N.

2011 IEEE 19th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 20 - 22 April 2011, pp.574-577

IX. **Evaluation of Textural Features for Multispectral Images**

Bayram U., Can G., Duzgun S., Yalabik N.

Conference on Image and Signal Processing for Remote Sensing XVII, Prague, Czech Republic, 19 - 21 September 2011, vol.8180

Scientific Refereeing

IGI Global, Chapter Scientific / Professional Book Published by Other Publishers, July 2021

Heliyon, Journal Indexed in ESCI, July 2021

IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, Journal Indexed in SCI-E, February 2021

IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, Journal Indexed in SCI-E, January 2021

Heliyon, Journal Indexed in ESCI, May 2020

IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, Journal Indexed in SCI-E, April 2019

Biomedical Informatics Insights, Other journals, October 2018

Edit Congress and Symposium Activities

NAACL 2021 Annual Conference of the North American Chapter of Computational Linguistics, Attendee, Mexico City, Mexico, 2021

Citations

Total Citations (WOS):10

h-index (WOS):2

Scholarships

Top 100 scholarship, Other Government Agencies, 2005 - 2009

Full scholarship, University, 2005 - 2009

Awards

Bayram U., Ruiz M., Taraktaş B., Dennehy T., Sajjadi S., Shadmangohar M., Best Project Award 2nd Place, Net-Covıd Workshop, University Of Maryland, May 2020

Non Academic Experience

Business Establishment Private, Corporate Employment

Hospital, Cincinnati Children's Hospital Medical Center

Business Establishment Private, Corporate Employment