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Eğitim Bilgileri

Doktora, Universitaet Hamburg, Department of Informatics, Center for Intelligent Systems and Robotics (ISR), Almanya 2006 - 2010
Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Enformatik Enstitüsü, Bilişsel Bilimler Anabilim Dalı, Türkiye 2003 - 2005
Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Türkiye 1992 - 1998

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Multimodal comprehension of graph-text constellations: An information processing perspective, Universitaet Hamburg, Knowledge And Language Processıng, 2010
Yüksek Lisans, Gradient characteristics of the unaccusative/Unergative distinction in Turkish: An experimental investigation, Orta Doğu Teknik Üniversitesi, Enformatik Enstitüsü, Bilişsel Bilimler Anabilim Dalı, 2005

Araştırma Alanları

Enformatik, Bilişsel Bilim, Enformasyon Teknolojileri, Bilgisayar Bilimleri, Bilgi Güvenliği ve Güvenilirliği, İnsan Bilgisayar Etkileşimi

Akademik Unvanlar / Görevler

Doç. Dr., Orta Doğu Teknik Üniversitesi, Enformatik Enstitüsü, Bilişsel Bilimler Anabilim Dalı, 2018 - Devam Ediyor
Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Enformatik Enstitüsü, Bilişsel Bilimler Anabilim Dalı, 2012 - 2018

Akademik İdari Deneyim

Orta Doğu Teknik Üniversitesi, Enformatik Enstitüsü, Bilişsel Bilimler Anabilim Dalı, 2013 - Devam Ediyor

Anabilim/Bilim Dalı Başkanı, Orta Doğu Teknik Üniversitesi, Enformatik Enstitüsü, Siber Güvenlik Anabilim Dalı, 2017 - 2019

Orta Doğu Teknik Üniversitesi, Enformatik Enstitüsü, Bilişsel Bilimler Anabilim Dalı, 2015 - 2017

Verdiği Dersler

Visual Cognition, Yüksek Lisans, 2018 - 2019

Yönetilen Tezler

ACARTÜRK C., Static malware detection using stacked bi-directional LSTM, Yüksek Lisans, D.DEMİRCİ(Öğrenci), 2021

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Acartürk C., MODELLING THE EFFECTS OF MALWARE PROPAGATION ON MILITARY OPERATIONS BY USING BAYESIAN NETWORK FRAMEWORK, Yüksek Lisans, Z.ŞENGÜL(Öğrenci), 2019

Acartürk C., The effect of kinemorphs on f-formation shapes: An investigation on human robot interaction in virtual reality, Yüksek Lisans, G.ÖZEN(Öğrenci), 2019

Acartürk C., Bozşahin H. C., AN INVESTIGATION OF GRAMMATICAL PATTERNS IN USER PASSWORDS: A PROBABILISTIC

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ACARTÜRK C., Farsça okumada göz hareketleri kontrolü: derlem-analitik bir yaklaşım., Yüksek Lisans, F.Soleymani(Öğrenci), 2018

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **The PSR corpus: A Persian sentence reading corpus of eye movements**
    Tekbudak Z. S., Purmohammad M., Özkan A., Acartürk C.
    Behavior Research Methods, cilt.57, sa.1, 2025 (SSCI)

II. **User performance and engagement in multi-user gaming Environments: An experimental investigation through the group eye tracking (GET) paradigm**
    Acartürk C., Fal M., Perit Çakır M.
    Entertainment Computing, cilt.51, 2024 (SCI-Expanded)

III. **TURead: An eye movement dataset of Turkish reading**
    Acartürk C., Özkan A., Pekçetin T. N., Ormanoğlu Z., KIRKICI B.
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IV. **A Naturalistic Setup for Presenting Real People and Live Actions in Experimental Psychology and Cognitive Neuroscience Studies**
    Pekçetin T. N., Evsen Ş., Pekçetin S., Acarturk C., Urgen B. A.
    Journal of Visualized Experiments, cilt.2023, sa.198, 2023 (SCI-Expanded)

V. **Malicious code detection in android: the role of sequence characteristics and disassembling methods**
    GÜRKAN BALIKÇIOĞLU P., ŞIRLANCI M., ACAR KÜÇÜK Ö., ULUKAPİ B., Turkmen R. K., ACARTÜRK C.
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VI. **Interdisciplinarity in Cognitive Science: A Document Similarity Analysis**
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    Cognitive science, cilt.46, sa.12, 2022 (SSCI)

VII. **Expanding horizons of cross-linguistic research on reading: The Multilingual Eye-movement Corpus (MECO)**
    Siegelman N., Schroeder S., ACARTÜRK C., Ahn H., Alexeeva S., Amenta S., Bertram R., Bonandrini R., Brysbaert M., Chernova D., et al.
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VIII. **IDEST: International Database of Emotional Short Texts**
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IX. **Performance in the Workplace: a Critical Evaluation of Cognitive Enhancement**
    ACARTÜRK C., MÜCEN B.
    NANOETHICS, cilt.16, sa.1, ss.107-114, 2022 (SCI-Expanded)

X. **Static Malware Detection Using Stacked BiLSTM and GPT-2**
    Demirci D., Sahin N., Sirlancis M., ACARTÜRK C.
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XI. **Multimodal communication in instructional settings: An investigation of the functional roles of gestures and arrows**
    Acarturk C., Coskun M., EMİL S.
    REVISTA SIGNOS, cilt.54, sa.107, ss.867-892, 2021 (AHCI)

XII. **Integrating Mobile Multimodal Interactions based on Programming By Demonstration**
    Bellal Z., Elouali N., Benslimane S. M., ACARTÜRK C.
    INTERNATIONAL JOURNAL OF HUMAN-COMPUTER INTERACTION, cilt.37, sa.5, ss.418-433, 2021 (SCI-Expanded)

XIII. **Speech Driven Gaze in a Face-to-Face Interaction**
    Arslan Aydin U., KALKAN S., ACARTÜRK C.
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XIV. **Eye movement control in Turkish sentence reading**

Özkan A., Beken Fikri F., Kırkıcı B., Kliegl R., Acartürk C.

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XV. **Anomaly-Based Intrusion Detection by Machine Learning: A Case Study on Probing Attacks to an Institutional Network**

Tufan E., TEZCAN C., ACARTÜRK C.

IEEE ACCESS, cilt.9, ss.50078-50092, 2021 (SCI-Expanded)

XVI. **The Role of Visual Features in Text-Based CAPTCHAs: An fNIRS Study for Usable Security**

Mülazimoğlu E., ÇAKIR M. P., ACARTÜRK C.

Computational Intelligence and Neuroscience, cilt.2021, 2021 (SCI-Expanded)

XVII. **Continuous improvement on maturity and capability of Security Operation Centres**

ACARTÜRK C., ULUBAY M., Erdur E.

IET INFORMATION SECURITY, cilt.15, sa.1, ss.59-75, 2021 (SCI-Expanded)

XVIII. **Gaze aversion in conversational settings: An investigation based on mock job interview**

ACARTÜRK C., Indurkya B., Nawrocki P., Sniezynski B., Jarosz M., USAL K. A.

JOURNAL OF EYE MOVEMENT RESEARCH, cilt.14, sa.1, 2021 (SCI-Expanded)

XIX. **Malicious Code Detection: Run Trace Output Analysis by LSTM**

ACARTÜRK C., ŞIRLANCI M., GÜRKAN BALIKÇIOĞLU P., Demirci D., Sahin N., ACAR KÜÇÜK Ö.

IEEE ACCESS, cilt.9, ss.9625-9635, 2021 (SCI-Expanded)

XX. **The use and acceptance of ICT by senior citizens: a comparison of technology acceptance model (TAM) for elderly and young adults**

Guner H., ACARTÜRK C.

UNIVERSAL ACCESS IN THE INFORMATION SOCIETY, cilt.19, sa.2, ss.311-330, 2020 (SCI-Expanded)

XXI. **Towards a Multimodal Model of Cognitive Workload Through Synchronous Optical Brain Imaging and Eye Tracking Measures**

Isbilir E., ÇAKIR M., ACARTÜRK C., Tekerek A. S.

Frontiers in Human Neuroscience, cilt.13, 2019 (SCI-Expanded)

XXII. **Multi-authoring and its impact on university rankings: a case study of CERN effect on Turkish universities**

ÇAKIR M. P., ACARTÜRK C., Alkan S., Akbulut U.

STUDIES IN HIGHER EDUCATION, cilt.44, sa.6, ss.1052-1068, 2019 (SSCI)

XXIII. **Gender is not simply a matter of black and white, or is it?**

Semin G. R., Palma T., ACARTÜRK C., Dziuba A.

PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES, cilt.373, sa.1752, 2018 (SCI-Expanded)

XXIV. **MAGiC: A Multimodal Framework for Analysing Gaze in Dyadic Communication**

Aydin U. A., Kalkan S., Acartürk C.

JOURNAL OF EYE MOVEMENT RESEARCH, cilt.11, 2018 (SCI-Expanded)

XXV. **User interaction in hands-free gaming: a comparative study of gaze-voice and touchscreen interface control**

Uludagli M. C., ACARTÜRK C.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.26, sa.4, ss.1967-1976, 2018 (SCI-Expanded)

XXVI. **Secondary-Task Effects on Learning With Multimedia: An Investigation Through Eye-Movement Analysis**

ACARTÜRK C., ÖZÇELİK E.

JOURNAL OF EXPERIMENTAL EDUCATION, cilt.85, sa.1, ss.126-141, 2017 (SSCI)

XXVII. **Switching reference frame preferences during verbally assisted haptic graph comprehension**

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COGNITIVE PROCESSING, cilt.16, 2015 (SSCI)

XXVIII. **A comparative analysis of global and national university ranking systems**

ÇAKIR M. P., ACARTÜRK C., Alasehir O., Cilingir C.

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XXIX. **URAP-TR: a national ranking for Turkish universities based on academic performance**
Alasehir O., ÇAKIR M. P., ACARTÜRK C., BAYKAL N., AKBULUT U.
SCIENTOMETRICS, cilt.101, sa.1, ss.159-178, 2014 (SCI-Expanded)

XXX. **Towards a systematic understanding of graphical cues in communication through statistical graphs**
ACARTÜRK C.
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XXXI. **Reducing the spatial distance between printed and online information sources by means of mobile technology enhances learning: Using 2D barcodes**
ÖZÇELİK E., ACARTÜRK C.
COMPUTERS & EDUCATION, cilt.57, sa.3, ss.2077-2085, 2011 (SCI-Expanded)

XXXII. **Multimodal comprehension of language and graphics Graphs with and without annotations**
ACARTÜRK C., CHRISTOPHER H., ÇAĞILTAY K., ÖZGE A.
Journal of Eye Movement Research, cilt.1, ss.1-15, 2008 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Cohesion in multimodal documents Effects of cross referencing**
ACARTÜRK C., MAİTE T., CHRISTOPHER H.
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II. **Causal inference in graph text constellations Designing verbally annotated graphs**
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Kitap & Kitap Bölümleri

I. **Analysis of Turkish referring expressions in a situated dialog context: The case of nominal demonstratives**
Büyüktekin F., Çakir M. P., Acartürk C.
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Real-World Implicit Association Task for Studying Mind Perception: Insights for Social Robotics**
Pekçetin T. N., Evsen Ş., Pekçetin S., Acarturk C., Urgen B. A.
19th Annual ACM/IEEE International Conference on Human-Robot Interaction, HRI 2024, Colorado, Amerika Birleşik Devletleri, 11 - 15 Mart 2024, ss.837-841

II. **A Naturalistic Laboratory Setup for Real-World HRI Studies**
Pekçetin T. N., Evsen Ş., Pekçetin S., Karaduman T. D., Acarturk C., Urgen B. A.
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III. **Investigating Mind Perception in HRI through Real-Time Implicit and Explicit Measurements**
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IV. **Keystroke Transcription from Acoustic Emanations Using Continuous Wavelet Transform**
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V. **Studying mind perception in social robotics implicitly: The need for validation and norming**
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18th Annual ACM/IEEE International Conference on Human-Robot Interaction, HRI 2023, Stockholm, İsveç, 13 - 16 Mart 2023, ss.202-210

VI. **An Eye Tracking Analysis of Conversational Violations in Dyadic and Collaborative Interaction**
Cagiltay B., ACARTÜRK C.
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VII. **Goal Orientation in Human Computer Interaction Tasks: An Experimental Investigation of User Engagement and Interaction Modalities**
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Ural Ö., ACARTÜRK C.
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IX. **Cyber Warfare Integration to Conventional Combat Modeling: A Bayesian Framework**
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X. **Team ReadMe at CMCL 2021 Shared Task: Predicting Human Reading Patterns by Traditional Oculomotor Control Models and Machine Learning**
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XI. **The role of gaze as a deictic cue in human robot interaction**
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XII. **Towards a Multimodal Model of Cognitive Workload through Synchronous Optical Brain Imaging and Eye Tracking Measures**
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XIII. **Information and Communication Technologies in Education Digital Literacy, Implications for Universities and Academic Rankings**
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XIV. **Multimodal Analysis of Gaze in VR Human-Avatar Interaction**
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DMEM-2018 2nd International Workshop Discourse, Multimodality and Experimental Methods, Şili, 6 - 09 Kasım 2018

XV. **Inevitable Cycle of Higher Education (ICoHE): Exploring the Impact of World Ranking Systems on Higher Education Institutions and their Public Communication on University Performance.**
EMİL S., ACARTÜRK C.
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XVI. **Group eye tracking (GET) paradigm for investigating interaction under social context**
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XVII. **Visual behaviour during perception of architectural drawings: Differences between architects and non architects**
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XIX. **Eye tracking in real and virtual interaction environments: Studies on deictic functions of gaze**
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