

Assoc. Prof. MURAT PERİT ÇAKIR

Personal Information

Web: <https://avesis.metu.edu.tr/perit>

International Researcher IDs

ScholarID: FNLI6w0AAAAJ

ORCID: 0000-0003-4295-1245

Publons / Web Of Science ResearcherID: B-4939-2012

ScopusID: 55100830800

Yoksis Researcher ID: 123171

Education Information

Doctorate, Drexel University, College Of Information Science & Technology, Information Science & Technology, United States Of America 2003 - 2009

Postgraduate, University of Pennsylvania, School of Engineering, Computer & Information Science, United States Of America 2001 - 2003

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, Turkey 1997 - 2001

Dissertations

Doctorate, How online small groups co-construct mathematical artifacts to do collaborative problem solving, Drexel University, College Of Information Science & Technology, 2009

Research Areas

Neurophysiology, Experimental Psychology, Artificial Intelligence, Computer Learning and Pattern Recognition, Biosignal Processing

Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Graduate School of Informatics, Cognitive Science, 2018 - Continues

Assistant Professor, Middle East Technical University, Graduate School of Informatics, Cognitive Science, 2011 - 2018

Lecturer, Middle East Technical University, Graduate School of Informatics, Cognitive Science, 2010 - 2011

Lecturer PhD, Drexel University, School Of Biomedical Engineering, Science & Health Systems, Biomedical Engineering, 2009 - 2010

Research Assistant, Drexel University, College Of Information Science & Technology, Information Science & Technology, 2003 - 2009

Academic and Administrative Experience

Manager of Research and Application Center, Middle East Technical University, Presidency Office, METU TAF Modeling and Simulation R&D Center, 2020 - Continues
Enstitü Yönetim Kurulu Üyesi, Middle East Technical University, Graduate School of Informatics, 2016 - Continues

Advising Theses

- Çakır M. P., Veldhuizen M., The role of distraction on flavor perception, interactions with satiety and neural responses to fat, Doctorate, S.RAZZAGHIASL(Student), 2023
- Çakır M. P., Development and experimental evaluation of an embodied cognitive model for piloting of air vehicles in mission flights, Doctorate, Y.KAYGUSUZ(Student), 2023
- Çakır M. P., Neural mechanisms underlying joint action, Doctorate, K.ALP(Student), 2023
- Çakır M. P., Korkusuz F., Bibliometric analysis of functional near-infrared spectroscopy (fNIRS) in neuroimaging literature, Doctorate, M.KOÇAK(Student), 2023
- Çakır M. P., Deep learning classification of cognitive workload levels from EEG wavelet transform images, Postgraduate, V.DOĞAN(Student), 2023
- Çakır M. P., Mançe Çalşır Ö., Conversational repair strategies in adults with high functioning autism spectrum disorder: A content analysis, Postgraduate, M.ODABAŞ(Student), 2023
- ÇAKIR M. P., Interaction of spatial configurations and language: an experimental inquiry, Postgraduate, N.BUSE(Student), 2022
- ÇAKIR M. P., Inter-brain synchronization patterns of cooperation in the prefrontal cortex during stag hunt game via fNIRS hyperscanning, Postgraduate, M.KÜSKÜ(Student), 2022
- ÇAKIR M. P., Effects of attachment styles on prefrontal cortex during naturalistic social interaction: An fNIRS based hyperscanning study, Doctorate, B.YARGIÇOĞLU(Student), 2022
- ÇAKIR M. P., An experimental investigation of gaze behavior modeling in virtual reality, Postgraduate, E.ESMER(Student), 2022
- Sürer E., Çakır M. P., Turkish Clickbait Detection in Social Media via Machine Learning Algorithms, Postgraduate, Ş.GENÇ(Student), 2021
- Çakır M. P., EFFECTIVE CONNECTIVITY MODEL DIFFERENCES OF EMOTION REGULATION IN MAJOR DEPRESSIVE DISORDER: DYNAMIC CAUSAL MODELING ANALYSIS, Postgraduate, M.ÖZAYDIN(Student), 2021
- Acartürk C., ÇAKIR M. P., The role of visual features in text-based captchas: an fNIRS study for usable security, Postgraduate, E.MÜLAZİMOĞLU(Student), 2020
- ÇAKIR M. P., A case study on the effect of route characteristics on decision making in the sport of orienteering, Postgraduate, T.Gölgeli(Student), 2020
- ÇAKIR M. P., Effect of human prior knowledge on game success and comparison with reinforcement learning, Postgraduate, M.Hasanoğlu(Student), 2019
- ÇAKIR M. P., The Effect of interaction through gaze-cue sharing on decision making process: an experimental investigation of keynesian beauty contest, Postgraduate, E.Erçin(Student), 2019
- ÇAKIR M. P., Cross-age effect in artificial neural networks: a study on facial age recognition bias in artificial neural networks, Postgraduate, N.Çağatay(Student), 2019
- ÇAKIR M. P., Online detection of pilot workload by using fNIR sensors, Postgraduate, M.VURAL(Student), 2018
- ÇAKIR M. P., TEMÜRCÜ C., Demonstratives in turkish: on the pragmatic use of demonstratives in the context of a collaborative problem solving task, Postgraduate, F.BÜYÜKTEKİN(Student), 2018
- ÇAKIR M. P., Transfer and maintenance effects of n-back working memory training in interpreting students: A behavioural and optical brain imaging study, Doctorate, A.ÖZTÜRK(Student), 2018
- ÇAKIR M. P., TEMÜRCÜ C., Demonstratives in the context of a collaborative problem solving task, Postgraduate, F.Büyüktekin(Student), 2018
- ÇAKIR M. P., Cognitive, perceptual-motor and social factors in tool making in children, Doctorate, G.GÖNÜL(Student), 2018
- ÇAKIR M. P., Cortical processes underlying metacontrast masking across different contrast polarities, Postgraduate, A.AYDIN(Student), 2018

TEMÜRCÜ C., ÇAKIR M. P., An investigation of brain-to-brain connectivity patterns during a cooperative fluid intelligence task, Postgraduate, Ç.TAŞCI(Student), 2018

TEMÜRCÜ C., ÇAKIR M. P., Decision making under uncertainty: Factors influencing mate selection in a dating application simulation, Postgraduate, A.YEŞİM(Student), 2017

ÇAKIR M. P., Hyperscanning of brain-to-brain interactions in the prefrontal cortex during a joint sentence reading task: An optical brain imaging study, Doctorate, E.İŞBİLİR(Student), 2016

ÇAKIR M. P., An empirical examination for collaborative nature of business process modeling, Doctorate, D.FINDIK(Student), 2016

ÇAKIR M. P., ÖZKAN YILDIRIM S., Using learning analytics to track learning process in virtual math teams (VMT) online environment, Doctorate, G.AFACAN(Student), 2016

ÇAKIR M. P., An embodied and extended cognitive dynamic field theory (DFT) model for piloting tasks supported with flight records, Postgraduate, Y.KAYGUSUZ(Student), 2015

ÇAKIR M. P., A dual eye tracking study of the influence of color and gaze cues on the use of referring expressions in a situated Farsi dialogue environment, Postgraduate, S.RAZZAGHI(Student), 2015

BAĞÇE S., ÇAKIR M. P., Epistemology of problem solving and an annotation framework for collaborative problem solving environments, Postgraduate, T.GÜVEN(Student), 2015

ÇAKIR M. P., Gender and personality differences in cognitive tasks: A performance and mental workload study, Postgraduate, B.BATUN(Student), 2015

ÇAKIR M. P., Usability evaluation of dynamic geometry software through eye tracking and communication breakdown analysis, Postgraduate, S.YAĞMUR(Student), 2014

BAYKAL N., ÇAKIR M. P., Bibliometric analysis of clinical medicine publications in Turkey, Postgraduate, M.KOÇAK(Student), 2014

ÇAKIR M. P., Physiological, psychological and attention related performance problems of shift work system in ASELSAN, Postgraduate, E.BİLGİN(Student), 2014

ÇAKIR M. P., The role of prefrontal cortex in purchasing decisions: An optical brain imaging study, Postgraduate, O.AŞCI(Student), 2014

ÇAKIR M. P., A case study of problem solving in eye-tracking, Postgraduate, D.ÖZDEMİR(Student), 2013

ÇAKIR M. P., Yazılım anlamada görselleştirme tekniklerinin değerlendirilmesinde yeni bir yaklaşım, Doctorate, H.ALİ(Student), 2013

ÇAKIR M. P., Examining computer supported collaborative problem solving processes using the dual-eye tracking paradigm, Postgraduate, S.DENİZ(Student), 2013

ÇAKIR M. P., Neural and ocular correlates of visuospatial problem solving processes, Postgraduate, G.TÜRKMEN(Student), 2013

ÇAKIR M. P., ÖZKAN YILDIRIM S., Usability testing of a family medicine information system, Postgraduate, S.ÖZ(Student), 2012

GÖKÇAY D., ÇAKIR M. P., The interaction of probability learning and working memory, Postgraduate, F.GÖZENMAN(Student), 2012

ÇAKIR M. P., Exploring the effects of working memory capacity, attention and expertise on situation awareness in a flight simulation environment, Postgraduate, O.ORKAN(Student), 2012

ÇAKIR M. P., Modeling neurons that can self organize into building blocks and hierarchies: An exploration based on visual systems, Postgraduate, A.GÖZE(Student), 2012

GÖKÇAY D., ÇAKIR M. P., The Interaction of probability learning and prefrontal cortex, Postgraduate, F.Gözenman(Student), 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ultra-Sensitive Bio-Polymer Iontronic Sensors for Object Recognition from Tactile Feedback**
Çiçek M. Ö., Durukan M. B., Yildiz B., Keskin D., Doğanay D., Çınar Aygün S., Çakir M. P., Ünal H. E.
Advanced Materials Technologies, vol.8, no.16, 2023 (SCI-Expanded)
- II. **An embodied and cognitive model of fighter pilot high level air-to-air engagement decision**

Kaygusuz Y., ÇAKIR M. P.

Cognitive Systems Research, vol.80, pp.71-80, 2023 (SCI-Expanded)

- III. **An investigation of the relationship between joint visual attention and product quality in collaborative business process modeling: a dual eye-tracking study**
FINDIK COŞKUNÇAY D., ÇAKIR M. P.
SOFTWARE AND SYSTEMS MODELING, vol.21, no.6, pp.2429-2460, 2022 (SCI-Expanded)
- IV. **We game on skyscrapers: the effects of an equity-informed game design workshop on students' computational thinking skills and perceptions of computer science**
Çakır N., Çakır M. P., Lee F. J.
ETR&D-EDUCATIONAL TECHNOLOGY RESEARCH AND DEVELOPMENT, vol.69, no.5, pp.2683-2703, 2021 (SSCI)
- V. **Investigation of Response Dynamics in the Simon Task with Mouse Tracking Methodology.**
Ikizoğlu H. B., Çakir M. P.
Noro psikiyatri arsivi, vol.58, no.3, pp.242-248, 2021 (SCI-Expanded)
- VI. **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, vol.2021, 2021 (SCI-Expanded)
- VII. **Mapping and clustering analysis on neuroscience literature in Turkey: a bibliometric analysis from 2000 to 2017**
Kocak M., Garcia-Zorita C., Marugan-Lazaro S., ÇAKIR M. P., Sanz-Casado E.
SCIENTOMETRICS, vol.121, no.3, pp.1339-1366, 2019 (SCI-Expanded)
- VIII. **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, vol.13, 2019 (SCI-Expanded)
- IX. **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, vol.44, no.6, pp.1052-1068, 2019 (SSCI)
- X. **An investigation of the neural correlates of purchase behavior through fNIRS**
ÇAKIR M. P., ÇAKAR T., Giriskan Y., Yurdakul D.
EUROPEAN JOURNAL OF MARKETING, vol.52, pp.224-243, 2018 (SSCI)
- XI. **Behavioral and Neural Effects of Game-Based Learning on Improving Computational Fluency With Numbers**
ÇAKIR M. P., Cakir N. A., Ayaz H., Lee F. J.
ZEITSCHRIFT FÜR PSYCHOLOGIE-JOURNAL OF PSYCHOLOGY, vol.224, no.4, pp.297-302, 2016 (SSCI)
- XII. **A comparative analysis of global and national university ranking systems**
ÇAKIR M. P., ACARTÜRK C., Alasehir O., Cilingir C.
SCIENTOMETRICS, vol.103, no.3, pp.813-848, 2015 (SCI-Expanded)
- XIII. **URAP-TR: a national ranking for Turkish universities based on academic performance**
Alasehir O., ÇAKIR M. P., ACARTÜRK C., BAYKAL N., AKBULUT U.
SCIENTOMETRICS, vol.101, no.1, pp.159-178, 2014 (SCI-Expanded)
- XIV. **How Does Software Visualization Contribute to Software Comprehension? A Grounded Theory Approach**
Duru H. A., ÇAKIR M. P., Isler V.
INTERNATIONAL JOURNAL OF HUMAN-COMPUTER INTERACTION, vol.29, no.11, pp.743-763, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Havacılık Nöroergonomisinde Optik Beyin Görüntüleme Uygulamaları**

ÇAKIR M. P.

Avrupa Bilim ve Teknoloji Dergisi, vol.0, no.25, pp.380-391, 2021 (Peer-Reviewed Journal)

II. A Comparative Evaluation of Two Computer Supported Collaborative Work Systems for Supporting Collaborative Business Process Modeling Activities

FINDIK COŞKUNÇAY D., ÇAKIR M. P.

AJIT-e: Online Academic Journal of Information Technology, vol.9, no.33, pp.7-38, 2018 (Peer-Reviewed Journal)

III. Enhancing mathematical communication for virtual math teams

Stahl G., ÇAKIR M. P., Weimar S., Weusijana K., Ou J.

Acta Didactica Napocensia, vol.3, no.2, pp.101-114, 2010 (Peer-Reviewed Journal)

Books & Book Chapters

I. Investigation 17. Co-experiencing a Shared World

Stahl G., Zhou N., Çakir M. P., Sarmiento-Klapper J. W.

in: Theoretical Investigations: Philosophical Foundations of Group Cognition, Stahl Gerry, Editor, Springer Nature, Zug, pp.397-415, 2021

II. Investigation 12. The Joint Organization of Interaction Within a Multimodal CSCL Medium

Çakir M. P., Zemel A., Stahl G.

in: Theoretical Investigations: Philosophical Foundations of Group Cognition, Stahl Gerry, Editor, Springer Nature, Zug, pp.257-290, 2021

III. Analysis of Turkish referring expressions in a situated dialog context: The case of nominal demonstratives

Büyüktekin F., Çakir M. P., Acartürk C.

in: Discourse Meaning, Zeyrek Deniz, Özge Umut, Editor, De Gruyter, Berlin, pp.103-136, 2020

IV. The Integration of Math Discourse, Graphical Reasoning and Symbolic Expression by a Virtual Math Team

ÇAKIR M. P., Stahl G.

in: Visual Mathematics and Cyberlearning, Martinovic D., V. Freiman V., Karadag Z., Editor, Springer, pp.49-96, 2013

V. Combining coding and conversation analysis of VMT chats

Zemel Z., Xhafa F., ÇAKIR M. P.

in: Studying Virtual Math Teams, , Editor, Springer, pp.421-450, 2009

VI. The organization of visual, narrative, symbolic interactions

Çakir M. P.

in: Studying Virtual Math Teams, Gerry Stahl, Editor, Springer, London/Berlin , New York, pp.99-140, 2009

VII. Thread-based analysis of patterns in VMT

ÇAKIR M. P., Xhafa F., Zhou N., Stahl G.

in: Studying Virtual Math Teams, Stahl Gerry, Editor, Springer, pp.359-371, 2009

VIII. Reading's work in VMT

Zemel A., ÇAKIR M. P.

in: Studying Virtual Math Teams, Stahl Gerry, Editor, Springer, pp.261-276, 2009

Refereed Congress / Symposium Publications in Proceedings

I. Nöroergonomi: Havacılık Psikolojisi ve Ergonomisinde Nörobilim Uygulamaları

ÇAKIR M. P.

19. Ulusal Sinirbilim Kongresi, Turkey, 21 November 2021

II. Ortak hareket sırasında EEG ve fNIRS ölçümlerine kişiliğin etkisi

USAL K. A., ÇAKIR M. P.

19. Ulusal Sinirbilim Kongresi, Turkey, 21 November 2021

- III. **Neurophysiological investigation of dual N-back task with fNIRS and EEG hyperscanning**
Usal K. A., Çakır M. P.
18. Ulusal Sinirbilim Kongresi, Ankara, Turkey, 6 - 09 November 2020, vol.14, pp.140-141
- IV. **Effects of attachment styles on PFC during social interaction: an fNIRS hyperscanning study**
Yargıçoğlu Şahin B., Çakır M. P., Başkak B.
18. Ulusal Sinirbilim Kongresi, Ankara, Turkey, 6 - 09 November 2020, vol.14, pp.114
- V. **Investigation of brain-to-brain synchronization patterns via fNIRS hyperscanning**
Çakır M. P.
18. Ulusal Sinirbilim Kongresi, Ankara, Turkey, 6 - 09 November 2020, vol.14, pp.85
- VI. **Prefrontal Activity During Item-Specific Control of Attention: An fNIRS Study**
ATALAY N. B., Türkoğlu S., ÇAKIR M. P., ERDENİZ B.
21st Conference of the European Society for Cognitive Psychology, 25 - 28 September 2019
- VII. **The Effect of Game-based Computational Thinking Workshops on Students' Computational Thinking Skills**
Çakır N., Çakır M. P., Gaas A., Lee F.
Biannual Conference of The European Association for Research on Learning and Instruction (EARLI) 2019, Aachen, Germany, 12 - 16 August 2019
- VIII. **Towards a Multimodal Model of Cognitive Workload through Synchronous Optical Brain Imaging and Eye Tracking Measures**
İşbilir E., ÇAKIR M. P., ACARTÜRK C., Tekerek A. Ş.
2nd International Neuroergonomics Conference, 27 - 29 June 2018
- IX. **Brain-to-brain Synchronization Patterns During Collaborative Problem Solving: An fNIRS Hyperscanning Study of Team Cognition**
Taşcı Ç., ÇAKIR M. P.
10th International Conference on Applied Human Factors and Ergonomics (AHFE 2019), 21 - 25 July 2018
- X. **Group eye tracking (GET) paradigm for investigating interaction under social context**
ACARTÜRK C., ÇAKIR M. P.
10th International Conference on Applied Human Factors and Ergonomics (AHFE 2019), 21 - 25 July 2018
- XI. **An Investigation of Brain-to-Brain Coherence in the Prefrontal Cortex During Joint Sentence Reading and Joint Fluid Reasoning Tasks**
ÇAKIR M. P., İşbilir E., Taşcı Ç.
25th Annual Meeting of the Cognitive Neuroscience Society, 24 March - 27 February 2018
- XII. **An fNIRS Hyperscanning Study on Brain-Brain Interactions of a Dyad during a Joint Sentence Reading Task**
İşbilir E., ÇAKIR M. P., Cummins F., Ayaz H.
Annual Meeting of the Cognitive Science Society, 26 - 29 July 2017
- XIII. **Neural correlates of purchasing decisions in a supermarket setting with mobile fNIR and glass eye-tracker technologies**
GİRİŞKEN Y., ÇAKAR T., ÇAKIR M. P., DEMİRCİOĞLU A.
2017 NeuroPsychoEconomics Conference, 8 - 09 June 2017
- XIV. **Polish Universities in the University Ranking of Academic Performance URAP Current Standing and Future Possibilities**
ÇAKIR M. P.
Polish Universities in International Perspective: Rankings and Strategic Management of a University, Varşova, Poland, 1 - 02 December 2016
- XV. **Farklı Etkileşim Yöntemlerinin İş Süreci Modelleme Evrelerine Olan Etkisinin İncelenmesi**
FINDIK COŞKUNÇAY D., ÇAKIR M. P.
10. Ulusal Yazılım Mühendisliği Sempozyumu, Turkey, 24 - 26 October 2016
- XVI. **Real-Time Monitoring of Cognitive Workload of Airline Pilots in a Flight Simulator with fNIR Optical Brain Imaging Technology**
ÇAKIR M. P., Vural M., Koc S. O., Toktas A.

- 10th International Conference on Augmented Cognition (AC) Held as Part of 18th International Conference on Human-Computer Interaction (HIC International), Toronto, Canada, 17 - 22 July 2016, vol.9743, pp.147-158
- XVII. **Neural Correlates of Purchasing Decisions in an Ecologically Plausible Shopping Scenario with Mobile fNIR Technology**
ÇAKIR M. P., Cakar T., Giriskan Y., Demircioglu A. K.
10th International Conference on Augmented Cognition (AC) Held as Part of 18th International Conference on Human-Computer Interaction (HIC International), Toronto, Canada, 17 - 22 July 2016, vol.9743, pp.135-146
- XVIII. **Usability Evaluation of a Dynamic Geometry Software Mobile Interface Through Eye Tracking**
YAĞMUR S., ÇAKIR M. P.
3rd International Conference on Learning and Collaboration Technologies (LCT) Held as Part of 18th International Conference on Human-Computer Interaction (HCI International), Toronto, Canada, 17 - 22 July 2016, vol.9753, pp.391-402
- XIX. **An fNIR Hyperscanning study on brain brain interactions of a dyad during a joint sentence reading task**
İşbilir E., ÇAKIR M. P., Cummins F., Ayaz H.
Ulusal Sinirbilim Kongresi, Turkey, 26 - 29 May 2016, vol.10, pp.29-30
- XX. **Investigating Brain-Brain Interactions of a Dyad using fNIR Hyperscanning during Joint Sentence Reading Task**
İşbilir E., ÇAKIR M. P., Ayaz H., Cummins F.
International Symposium on Brain and Cognitive Science ISBCS 2016, Turkey, 08 May 2016
- XXI. **Neural Correlates of Computational Fluency Training with a Mobile Game An Optical Brain Imaging Study 3**
ÇAKIR M. P., ÇAKIR N., Ayaz H., Lee F.
Annual Meeting of the American Educational Research Association (AERA), 8 - 12 April 2016
- XXII. **Neural Correlates of Computational Fluency Training with a Mobile Game An Optical Brain Imaging Study**
ÇAKIR M. P., ÇAKIR N., Ayaz H., Lee F.
Annual Meeting of the American Educational Research Association (AERA), 8 - 12 April 2016
- XXIII. **Farkli etkileşim yöntemlerinin iş süreci modelleme evrelerine olan etkisinin incelenmesi**
Coskunçay D. F., ÇAKIR M. P.
10th Turkish National Software Engineering Symposium, UYMS 2016, Çanakkale, Turkey, 24 - 26 October 2016, vol.1721, pp.99-110
- XXIV. **The Impact of Turkish Universities on Global Medical Research A Bibliometric Study**
ÇAKIR M. P., Koçak M.
1st International Higher Education Studies Conference (IHEC) 2015, 14 - 16 October 2015
- XXV. **An Optical Brain Imaging Study on the Improvements in Mathematical Fluency from Game based Learning**
ÇAKIR M. P., ÇAKIR N., Ayaz H., Lee F.
Proceedings of the 2015 Annual Symposium on Computer-Human Interaction in Play, Londrina, Brazil, 3 - 07 October 2015, pp.209-219
- XXVI. **A Dynamic Field Theory Based Pilot Model To Control Aircraft Pitch Attitudes**
Yasin K., ÇAKIR M. P.
EuroAsianPacific Joint Conference on Cognitive Science, 25 - 27 September 2015
- XXVII. **Using Optical Brain Imaging to Investigate Functional Changes During Game Based Learning**
ÇAKIR N., ÇAKIR M. P., Lee F.
16th Biennial EARLI Conference for Research on Learning, Limasol, Cyprus (Gkry), 25 August - 29 July 2015
- XXVIII. **Neural Correlates of Purchasing Behavior in the Prefrontal Cortex An Optical Brain Imaging Study**
ÇAKIR M. P., Girişken Y., Cakar T.
CogSci 2015 Annual Meeting of the Cognitive Science Society, 23 - 25 July 2015
- XXIX. **Methodological Challenges in Rankings How Can Scientometrics Better Inform University Rankings**
ACARTÜRK C., ÇAKIR M. P.

15th INTERNATIONAL CONFERENCE ON SCIENTOMETRICS & INFORMETRICS, İstanbul, Turkey, 29 June - 03 July 2015

- XXX. **Tools for Tracing the Development of Concepts through Discussions Mediated by a CSCL Environment A Case Study**
AFACAN G., ÇAKIR M. P.
International Conference on Computer-Supported Collaborative Learning (CSCL 2015), 7 - 11 June 2015
- XXXI. **Dragging as a Referential Resource for Mathematical Meaning Making in a Collaborative Dynamic Geometry Environment**
ÇAKIR M. P., Stahl G.
International Conference on Computer-Supported Collaborative Learning (CSCL 2015), 7 - 11 June 2015
- XXXII. **Global Üniversite Sıralamaları Kullanılan Araçlar ve Akademik Kütüphaneler**
ÇAKIR M. P.
51. Kütüphane Haftası, İstanbul, Turkey, 30 March - 05 April 2015
- XXXIII. **Simülâtör Eğitimi Sırasında Bilişsel İş Yükü Takibine Yönelik Örnek Durum Çalışmaları**
ÇAKIR M. P.
2. Ulusal Havacılık Tıbbi Kongresi, Turkey, 28 - 30 March 2015
- XXXIV. **Uçucuda Davranışsal Sistemik Fizyolojik ve Nörofizyolojik İzleme Değerlendirme Yöntemleri**
ÇAKIR M. P.
2. Ulusal Havacılık Tıbbi Kongresi, Turkey, 28 - 30 March 2015
- XXXV. **Gaze Coordination during Collaborative Problem Solving in GeoGebra**
ÇAKIR M. P.
Fifth North American GeoGebra Conference (GeoGebra-NA2014), 21 - 22 November 2014
- XXXVI. **Examination of Computer Supported Collaborative Business Process Modeling with Activity Theory**
FINDIK COŞKUNÇAY D., ÇAKIR M. P.
Proceedings of the XV International Conference on Human Computer Interaction - Interacción '14, Puerto de la Cruz, Tenerife, Spain, 10 - 12 September 2014
- XXXVII. **Monitoring neural correlates of purchasing behavior An optical brain imaging study**
Girişken Y., ÇAKIR M. P.
Global Marketing Conference (GMC 2014), 15 - 18 July 2014
- XXXVIII. **Examining an Online Collaboration Learning Environment with the Dual Eye-Tracking Paradigm: The Case of Virtual Math Teams**
Uzunosmanoglu S. D., ÇAKIR M. P.
1st International Conference on Learning and Collaboration Technologies (LCT), Heraklion, Greece, 22 - 27 June 2014, vol.8523, pp.462-472
- XXXIX. **An Interactional Analysis of Gaze Coordination During Online Collaborative Problem Solving Activities**
ÇAKIR M. P., UZUNOSMANOĞLU S. D.
International Conference of the Learning Sciences (ICLS 2014), 23 - 27 June 2014
- XL. **Verbally assisted comprehension of haptic line graphs Referring expressions in a collaborative activity**
ÇAKIR M. P., ACARTÜRK C.
CogSci 2013 Workshop on Production of Referring Expressions: Bridging the gap between cognitive and computational approaches to reference, Berlin, Germany, 31 July 2013
- XXI. **Micro analysis of referring expressions in a dual eye tracking paradigm Two case studies on voice and chat mediated interaction**
ÇAKIR M. P., ACARTÜRK C.
CogSci 2013 Workshop on Production of Referring Expressions: Bridging the gap between cognitive and computational approaches to reference, Berlin, Germany, 31 July 2013
- XXII. **Towards Group Cognitive Analysis of Collaborative Learning with Eye Tracking and Brain Imaging Technologies**
ÇAKIR M. P.

- International Conference on Computer-Supported Collaborative Learning (CSCL 2013), 15 - 19 June 2012
- XLIII. **Exploring the Effects of Working Memory Capacity Attention and Expertise on Situation Awareness in a Flight Simulation Environment**
Özcan O., ÇAKIR M. P., SAY B.
17th International Symposium on Aviation Psychology (ISAP 2013), 6 - 09 May 2013
- XLIV. **THE INTERACTION OF PROBABILITY LEARNING AND WORKING MEMORY**
Gozenman F., GÖKÇAY D., ÇAKIR M. P.
20th Annual Meeting of the Cognitive-Neuroscience-Society, San-Francisco, Costa Rica, 13 - 16 April 2013, pp.103-104
- XLV. **A Group Cognitive Perspective on the Multimodal Analysis of Learning**
ÇAKIR M. P.
3rd International Conference on Emerging Intelligent Data and Web Technologies, EIDWT 2012, 19 - 21 September 2012
- XLVI. **Tangram solved? Prefrontal cortex activation analysis during geometric problem solving**
Ayaz H., Shewokis P. A., Izzetoglu M., Cakir M. P., Onaral B.
34th Annual International Conference of the IEEE Engineering-in-Medicine-and-Biology-Society (EMBS), California, United States Of America, 28 August - 01 September 2012, pp.4724-4727
- XLVII. **Evaluation of UAS Camera Operator Interfaces in a Simulated Task Environment An Optical Brain Imaging Approach**
ÇAKIR M. P., Şenyiğit M., Akay D., Ayaz H., İŞLER V.
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