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CURRICULUM VITAE

Up to date as of July, 2020

Education

- 04/2006 – 05/2015: Ph.D. (Magna Cum Laude), Cognitive Science, Osnabruck University, Germany. Dissertation title: “Factors regulating the bottom-up guidance of overt visual attention under natural conditions” (Academic Advisor: Prof. Dr. Peter König)
- 10/2003 – 03/2006: M.Sc. (Highest possible grade), Cognitive Science, Osnabrueck University, Germany. Thesis Title: “Effects of luminance contrast and its modifications on fixation behavior during free viewing of images from different categories” (Academic Advisor: Prof. Dr. Peter König)
- 09/2000 – 08/2003: B.A. (With Honors), Psychology, Boğaziçi University, Turkey.
- 09/1992 – 06/2000: High school degree, İstanbul Erkek Lisesi (bilingual Turkish-German High School)

Research & Professional Experience

- 09/2016 – present: Assistant Professor, Ozyegin University, Psychology Department.
- 09/2013 – 08/2016: Full time instructor at Ozyegin University.
- 06/2014 – 06/2016: External advisor for eye-tracking experiments within the European Commission funded FP7 I-SUR STREP project.
- 09/2012 – 08/2013: Part-time instructor at Ozyegin University.
- 02/2012– 01/2014: Part-time instructor at Yeditepe University.
- 01/2006-12/2009: Within the "POP - Perception on Purpose" project (EU Grant supported STREP project), I was the representative of our lab, next to the principle investigator Prof. Dr. Peter König.
- 04/2006 – 02/2012: Full-time research & teaching assistant as Ph.D. candidate at the Institute of Cognitive Science (Neurobiopsychology Lab), Osnabruck University.
- 10/2003 – 03/2006: Student (M.Sc.) assistant at the Institute of Cognitive Science (Neurobiopsychology Lab), Osnabruck University.
- 09/2001 – 03/2003: Student (B.A.) assistant at the Biopsychology Lab at Bogazici University.

Skills

Languages: Turkish (Native), English (Fluent), German (Highly proficient)

Software: MATLAB (with teaching experience), SPSS, Office, Illustrator.

Hardware: Experience with several eye-tracker brands and models, including Eyelink, SMI, and Tobii.

Publications

Journal articles:

- 1) Açık, A., Onat, S., Schumann, F., Einhäuser, W. & König, P. (2009). Effects and luminance contrast and its modifications on fixation behavior during viewing of images from different categories. *Vision Research*, 49, 1541-1553.
- 2) Açık, A., Sarwary, A., Schultze-Kraft, R., Onat, S. & König, P. (2010). Developmental changes in natural viewing behavior: Bottom-up and top-down differences between children, young adults and older adults. *Frontiers in Psychology*, 1(November), 1–14.
- 3) Carl, C., Açık, A., König, P., Engel, A. K. & Hipp., J. (2012). The saccadic spike artifact in MEG. *Neuroimage*, 59, 1657-1667.
- 4) Açık, A., Bartel, A. & König, P. (2014). Real and implied motion at the center of gaze. *Journal of Vision*, 14(2014), 1–19.
- 5) Onat, S., Açık, A., Schumann, F. & König, P. (2014). The contributions of image content and behavioral relevancy to overt attention. *PLoS ONE*, 9(4): e93254. doi:10.1371/journal.pone.0093254.
- 6) Erol-Barkana, D., Açık, A., Duru-Göksel, D. & Duru, D. (2014). Improvement of design of

a surgical interface using an eye tracking device. *Theoretical Biology and Medical Modeling*, 11 (Suppl 1):S4 doi:10.1186/1742-4682-11-S1-S4.

- 7) Aık, A., Barkana, D. E., Akgün, G., Yanta, A. E. & Aydın, . (2016). Evaluation of a surgical interface for robotic cryoablation task using an eye-tracking system. *International Journal of Human-Computer Studies*, 95, 39–53.
- 8) Wilming, N., Onat, S., Ossandón, J. P., Aık, A., Kietzmann, T., C., Kaspar, K., Gameiro, R. R., Vormberg, A. & König, P. (2017). An extensive dataset of eye movements during viewing of complex images. *Scientific data*, 4, 160126.
- 9) atak, E. N., Aık, A., & Göksun, T. (2019). The relationship between handedness and valence: A gesture study. *Quarterly Journal of Experimental Psychology*, 71(12), 2615-2626.

Proceedings (Full Text):

- 1) Barkana Erol, D., Duru Goksel, D., Duru, A. D., Aık, A., Ozkan M. (2013). Development and Evaluation of an Interface for Pre-Operative Planning of Cryoablation of a Kidney Tumor. 3rd Joint Workshop on New Technologies for Computer/Robot Assisted Surgery, September 11-13 September, 2013, Verona, Italy
- 2) Schöning, J., Gert, A. L., Aık, A. Kietzmann, T. C., Heidemann, G. & König., P. (2017). Exploratory Multimodal Data Analysis with Standard Multimedia Player Multimedia Containers: a Feasible Solution to make Multimodal Research Data Accessible to the Broad Audience. VISAPP 2017 (The International Conference on Computer Vision Theory and Applications).

Proceedings (Abstract):

- 1) Aık, A., Hipp, J., Görge, K., König, P. & Engel., A. K. (2007). Simultaneous EEG Recording and Eye-tracking during Active Viewing. *Journal of Eye Movement Research*, 1(Conference Abstracts. 14th European Conference on Eye Movements ECEM2007), 120.
- 2) Aık, A., Onat, S., Steger, J. & König., P. (2008) Effects of phase scrambling and contrast modifications on fixation behavior during viewing of fractal images. *Federation of European Neurosciences (FENS) conference abstracts*.
- 3) Aık, A., Bartel, A., Becker, T. Steger, J. & König. P. (2011). Real and implied motion at the center of gaze. *Journal of Eye Movement Research*, 4(3), 112. (Presented at the European Conference on Eye Movements – ECEM 2011)
- 4) Ossandon, J. P., Aık, A. & König, P. (2011). Low in the forest, high in the city: Visual selection and natural image statistics. *Perception*, 40(supplement), 95. (Presented at the European Conference on Visual Perception - ECVF 2011)
- 5) Carl, C., Aık, A., Engel, A.K., König, P. & Hipp, J. (2011). The saccadic spike artifact in MEG. *International Conference On Cognitive Neuroscience (ICON XI)*.
- 6) Aık, A., Onat, S., Schumann, F. & König, P. (2015) Roles of Image Content and Behavioral Relevancy in Fixation Selection. *International Symposium on Brain and Cognitive Science ISBCS 2015, Ankara, Turkey*.

Publications in Turkish

- 1) Aık, A. (2014). Bütünsel El Hareketleri İle Gerçekleştirilen Yeni Bir Plastik El Paradigması [A new rubber hand paradigm induced with whole hand movements]. Talk delivered at the National Psychology Congress, Turkey.
- 2) Aık, A. (2014). Alan Turing'in Yaşamı ve Kişiliğine Dair. Bilim ve Gelecek, Kasım 2014.
- 3) Aık, A. (2015). Bilişsel Bilimde Beden [Body in Cognitive Science]. Kaos Q+, 1(2), 35-46. [Full text publication in refereed queer studies journal].
- 4) Aık, A. (2016). Tecrit, benlik ve barış [Solitary confinement, self, and peace]. SolFaSol. [Opinion piece in a magazine].

Journal refereeing

Ad-hoc reviewer for Journal of Vision, Visual Cognition, Plos ONE, and Frontiers in Psychology.

Awards & Grants

- 02/2016 – 01/2020: PLOTINA (“Promoting gender balance and inclusion in research, innovation and training”) Project (European Commission H2020-GERI-2015-2016) local coordinator at Ozyegin University.
- 09/2017: The Scientific and Technological Research Council of Turkey achievement award for H2020 project PLOTINA
- 03/2016: BAGEP prize. This prize is awarded annually to young researchers in Turkey by the Bilim Akademisi (Science Academy).