



COGSCIDAYS

From Low-level Information to High-level
Cognition: Methodologies on Cognitive Mapping

September 2nd & 3rd, 2021

Overview

CogSci Days 2021 was held on 2-3 September 2021 at Yeditepe University, Istanbul. It proved to be quite a comprehensive and successful event with its intense schedule that covered keynote speeches, a panel, two different workshops, and poster presentations. We would like to thank all the Keynote speakers and panelists for taking time out of their busy schedules and sharing their valuable knowledge, the professors who carried out the Workshops for sharing their precious time with us, and the Scientific Committee of CogSciDays 2021. (Alper, Bora, Mehtap, Gizem & Didem)

Keynote Speakers



Dr. Hulusi Kafalıgönül

“Audiovisual Integration: Flexible Use of Dynamic Operations” was a very attractive topic for us because we have been conducting multisensory integration studies as well in our laboratory. Thank you, Dr. Hulusi Kafalıgönül, for this fun and informative presentation. (Didem)



Dr. Didem Gökçay

Dr. Didem Gökçay gave a speech titled “The Effects of Context in Visual Search: Intervention of Emotional and Cognitive Load Captured in Pupillary Responses” and the topic was very interesting for us. We had a chance of listening to the details of pupil dilation, and two different experiments in this field. We would like to thank her for her speech. (Gizem)



Dr. Tolga Esat Özkurt

Dr. Tolga Esat Özkurt's speech "The Role of Alpha Band Activity in Visual and Auditory Memory Errors and Enhancement" informed us about different alpha types and covered various experiments conducted by his team showing how fake and wrong memory load increases alpha-band activity. We would like to thank him for his quite informative and interesting speech. (Mehtap)

Workshops



Dr. Aykut Eken

Electrophysical and Psychophysical Implementations with Arduino

Dr. Aykut Eken gave a workshop about how Arduino could be used to gather psychophysical and electrophysiological data. He shared his knowledge of the use of ECG, galvanic skin response, touch sensor and various other sensors with a big emphasis on hands-on practice. We learnt how we can use these sensors in our experiments with low cost and high efficiency. This workshop revealed new ways to conduct experiments to us thanks to the expertise of Dr. Eken. (Bora)



Dr. Funda Yıldırım

Eye Tracking for Experiments

Dr. Funda Yıldırım gave a workshop about how eye tracking devices are used in psychophysical experiments. In the workshop, she explained which research areas are interested in tracking the eye movements and how eye tracking devices collect these eye movements. Participants had the chance to create their own eye tracking experiment, collect and analyse



the eye tracking data. This workshop allowed participants to take the first step of using eye tracking devices in their psychophysical experiments. (Dilara)

Details

- There were 12 poster presentations on the first day of CogSciDays 2021, and all the attendees were very interested in each poster presentation. They asked questions, gave some feedback and suggestions for future studies. (Gizem)
- The panel discussion was very informative. Dr. İtir Kaşıkçı, Dr. Serkan Şener, and Dr. Nihan Alp gave speeches on cognitive emergence through specific topics such as linguistics, numeric perception and visual perception. They answered questions posed by the audience at the end of the panel session. The panel discussion was planned for 1 hour in the schedule but due to the intense interest of the audience in the topics, it took more than 1 hour. (Gizem)
- The Eye-tracking workshop lectured by Dr.Funda Yıldırım was a very much effective one that answers a need of researches as a widely used online methodology in various fields. Researchers from various fields had their own perspectives discussed through a common methodology which is the most interesting aspect of Cognitive research. (Alper)
- Special thanks to CNVP Lab and the Organization Committee members for their patience and collaboration to make a dream event come true.

Organization Committee

Ali Alper Demircan
Mehtap Çakır
Bora Çelebi
Gizem Tanseli Kaspar
Didem Katırcılar