Saturday, June 25, 2022

Poster Session II (12:00pm -2:00pm)

COLORLITE ATLAS - color vision test

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8% of the male population have colour vision deficiency, corresponding to about 400 000 individuals in Hungary suffering from this problem, being denied more than 100 professions because of their disability. All over the world, colour vision deficiency is determined by the cheap and simple Ishihara test. Anomaloscopy, with the anomaloscope being declared the Gold Standard for colour vision by the International Commission on Illumination (CIE) in 2000, is accurate, but expensive. The Colorlite Atlas, the new colour vision testing equipment developed in Hungary, combines the advantages of both: it is cheap and simple like the Ishihara test and at the same time just as accurate as the anomaloscope. In addition to qualitative colour vision testing, the Colorlite Atlas may also be used for quantitative testing i.e. the test can indicate the severity of colour vision deficiency as well as the relevant type.

ISEP 2022: Schedule of events

Thursday, June 23, 2022

Welcome reception (6pm-8pm) **Cochran Center (Room 218 A/B)**

Friday, June 24, 2022

8:55am-9:00am Welcome and opening remarks (all talks, posters, coffee breaks and lunches will take place at the **Trent Lott Center, Room 103 A/B**)

9:00am -9:20am Shape Influences Affordance Perception of Feelies
Catherine Dowell, Semih Korkmaz, & Alen Hajnal

9:20am – 9:40am An Account of Interoceptive Affordances
Daniel J. Kosacz

9:40am – 10:00am Measurement and visual perception of ambient optic array
Jonathan Doyon, Krisztian Samu & Alen Hajnal

10:00am - 10:30am Coffee break

10:30am – 10:50am Multifractal nonlinearity in movements producing and exploring speech supports perceiving and remembering speech
Damian Kelty-Stephen & Madhur Mangalam

10:50am – 11:10am Dissipative Structure Theory and Ecological Foundations
James Dixon, Benjamin De Bari, Dilip Kondepudi, & Ashwin Vaidya

11:10am – 11:30am Exploring multifractal roots of suprapostural dexterity using ergodic descriptors of nonergodic postural fluctuations
Damian Kelty-Stephen & Madhur Mangalam

12:00pm-2:00pm Lunch and Poster Session I

2:00pm -2:20pm Theatrical Productions as Econiches
LeGrace Benson

2:20pm -2:40pm The morphogenesis of ceramic vessels: Cross-cultural and individual variation
Tetsushi Nonaka

2:40pm -3:00pm Introduction to an Introduction to Ecological Psychology
Julia J. C. Blau & Jeffrey B. Wagman

3:00pm - 3:30pm Coffee break

3:30pm -3:50pm	Perception, Action, and the Affordances of Language Dennis Waters
3:50pm -4:10pm	Entanglement of Dynamics and Symbol Sequences in Natural Systems Dennis Waters
4:10pm -4:30pm	Structure of variability in scanning movement predicts braille reading performance in children Tetsushi Nonaka
7:30pm –	**Dinner on your own + Socializing at Keg & Barrel Pub (1315 Hardy St, Hattiesburg, MS 39401)**

Saturday, June 25, 2022

9:00am - 9:20am	Perception of Higher-Order Affordances for Kicking in Soccer George S. Bailey, Alper T. Peker, Veysel Böge, Jeffrey B. Wagman, & Thomas A. Stoffregen
9:20am - 9:40am	Does Optic Flow Provide Information about Actions? Hannah Masoner & Alen Hajnal
9:40am – 10:00am	Challenging affordances: young and older adults as the architects of their own stepping stones areas Amy Jeschke, Simone R. Caljouw, Frank T.J.M. Zaal, & Rob Withagen

10:00am - 10:30am Coffee break

10:30am -10:50am	Agency and social unity in joint action and its breakdown Laura S. Cuijpers, Namkje Koudenburg, and Kerry Marsh
10:50am -11:10am	Where you lead, I will follow: Child-caregiver interactions and motor performance in children with cerebral palsy Nicole Carver
11:10am – 11:30am	Complex Postural Sway Specifies Perception of Stand-on-Ability Tyler Overstreet, Alen Hajnal, Tyler Surber, Hannah Masoner, Catherine Dowell, Ashley Funkhouser, Jack Shelley-Tremblay, & Krisztian Samu

12:00pm-2:00pm Lunch and Poster Session II

2:00pm- 2:20pm	When Information Pickup Fails: The Deadly Puzzle of the Black Hole Illusion Rik Warren
2:20pm -2:40pm	Creation of Affordance Norms for 3000 Objects Nicholas P. Maxwell, Alen Hajnal, Mark J. Huff, & Tyler Surber
2:40pm -3:00pm	Perceiving multiple properties of a single rod-surface system Jeffrey B. Wagman & Tyler Duffrin

3:00pm - 3:30pm Coffee break

3:30pm -3:50pm	Principles of Ecological Time Brandon Thomas
3:50pm -4:10pm	Ecological neuroscience: where we are now, and where do we go from here? Vicente Raja
4:10pm -4:30pm	A dynamical lens on the Uncontrolled Manifold Approach: Quantifying patterns of compensation over time and its relation to task performance Valeria Andrade
4:30pm -4:35pm	Conference Wrap-up
7:00pm -	**Dinner on your own + Socializing at Southern Prohibition Brewery (301 Mobile St, Hattiesburg, MS 39401)**

Poster Presentations (posters up both days; author has to be present during designated session)

Poster Session I (June 24, 12:00pm -2:00pm)

[1] How the Quantification of Accuracy Impacts Findings: A Monte Carlo Study
Hannah Solini & Balagopal Raveendranath

[2] Aging and Tactile Speed Matching
McKenzie Gunter & Farley Norman

[3] Programming Virtual Space: A Methodological Approach
Trevor Hunter

[4] Does Viewing an Actor Flutter Kicking Improve Judgments of their Jumping Reach?
Nicholas Garcia & Keith S. Jones

[5] You're gonna need a bigger boat: feeling 'fish' length at the end of a 'fishing line'
Tyler Duffrin, Christopher Pagano, Brian Day, & Jeffrey B. Wagman

[6] Identifying To What Do People Attend When Perceiving Actors' Maximum Vertical Reach
Nicholas Garcia, Dana Wilder, & Keith S. Jones

[7] Novel Metrics of Postural Stability Predict Fine Motor Ability in 4-5 Year-olds
Derek Kemp & Jack Shelley-Tremblay

[8] The parental umwelt: How infants shape their parent's perception of threat affordances
Emma Murrugarra

Poster Session II (June 25, 12:00pm -2:00pm)

[9] Active head tilt in a virtual driving game
Eugenia Garza & Tom Stoffregen

[10] Perception of affordances for serving in volleyball
Danilo Arruda & Tom Stoffregen

[11] COLORLITE ATLAS - color vision test
Krisztian Samu & Klara Wenzel

[12] Do People Explore Longer Near Perceived Task Limits When Specifying Information is Always Available?
Natalie Lodinger & Keith S. Jones

[13] Examining Neural Substrates of Emotion Processing: Examining Self-reported Psychopathic Traits on Event-related Potential Independent Component Amplitude in Young Adults
Emily Ruff

[14] Salience of Affordances
Shu Jiang, Alexa Ott, Cassidy Burt, Kerry L. Marsh

[15] Effects of Mind-Body-Environment System Dynamics on the Use of Automation in Driving Behavior
Tri Nguyen, Jayci Landfair, Corey Magaldino, & Polemnia G. Amazeen

[16] Role of invariants in the perception of pivot axis of swinging doors
Balagopal Raveendranath