POSTER SESSION A, Wednesday June 26 (16:30-18:00)

A1. Perception of affordances for receiving serves in virtual volleyball: Higher order affordances in real time
Danilo G. Arruda[1], Jeffrey B. Wagman[2] & Thomas A. Stoffregen[1]
[1]University of Minnesota, USA
[2]Illinois State University, USA

A2. From exploration to information detection: The effects of practice conditions on task performance while using a sensory substitution device
Saroosh Bilal[1], Raoul M. Bongers[2], David M. Jacobs[1]
[1]Autonomous University of Madrid, Spain
[2]University Medical Center Groningen, The Netherlands

A3. Unfamiliar environments and the use of electronic aids by visually impaired individuals: A qualitative study
Saroosh Bilal[1], Jorge Rebate[2], Veronica Sevillano[1], David M. Jacobs[1]
[1]Autonomous University of Madrid, Spain
[2]Once Foundation in Madrid, Spain

A4. Predicting repetitive worker behaviour using eye-gaze
Erik Billing[1], Anna Brolin[1], Raquel Quesada Díaz[1], Malin Eklund[1], Dan Lämkull[1,2]
[1]University of Skövde, Sweden
[2] Volvo Car Corporation in Gothenburg, Sweden

A5. Basketball teams as complex adaptive systems: A temporal network analysis of collective behavior and performance
Quentin Bourgeais[1], Rodolphe Charrier[2], Eric Sanlaville[2], Ludovic Seifert[1]
[1]University of Rouen Normandy, France
[2]Normandy University Le Havre, France

A6. Integer ratio biases in rhythm reproduction are predicted by neural oscillation and hebbian learning
Hayes Brenner, Edward Large, Ji Chul Kim
University of Connecticut, USA

A7. Differences in practice effects between geometric and dynamic affordances in a reaching task
Giacomo Bressanello, Naomi Schreurs, Raoul M. Bongers, Joanne Smith
University Medical Center Groningen, University of Groningen, The Netherlands

A8. Striking a balance: The role of baseline postural differences and noise type in noise-based stimulation effects
Nicole S. Carver, Scott G. Fasone, Paula L. Silva
University of Cincinnati, USA

A9. A ball-and-board game based on coordination for re-learning postural stability in ACL rehabilitation

Anaëlle Cheillan[1], David M. Jacobs[2], João Milho[3], Pedro Passos[1]
[1]University of Lisbon, Portugal
[2]Autonomous University of Madrid, Spain
[3]Higher Institute of Engineering Lisbon, Polytechnic Institute Lisbon, Portugal

A10. Modelling the continuous jab and cross combinations of boxing as nonlinear oscillators

Szu-Hong Cheng, Yeou-Teh Liu
National Taiwan Normal University in Taipei, Taiwan

A11. Me against the world: Influences of actor vs. environment variation on affordance-guided behavior

Dalton S. Cooper, Emily Wang, Dominic Bley, Tehran J. Davis
University of Cincinnati, USA

A12. What makes a ball interceptable? Examining the affordance of interceptability for oneself

Samruddhi Damle[1], Reinoud Bootsma[2], Frank Zaal[1]
[1]University Medical Center Groningen, The Netherlands
[2]Aix-Marseille University, France

A13. Object identification with a minimal sensory substitution glove

Carlos de Paz[1], David Travieso[1], Manuel Heras-Escribano[2], Lorena Lobo[3]
[1]Autonomous University of Madrid, Spain
[2]University of Granada, Spain
[3]Madrid Open University (UDIMA), Spain

A14. Perceptual learning of feelies is influenced by viewpoint, motion, and affordance priming

Catherine Dowell[1], McKenzie Gunter[2], Alen Hajnal[2]
[1]University of Southern Indiana, USA
[2]University of Southern Mississippi, USA

A15. Affordances: A knowledge representation towards human-robot interaction

Bastien Dussard, Guillaume Sarthou, Aurélie Clodic
University of Toulouse, France

A16. Development of audio-visual «looming» perception in infants receiving extra motor stimulation and full-term controls: A longitudinal high-density electroencephalography study

Anne Kristine Eggen, Audrey van der Meer, Silje-Adelen Nenseth
Norwegian University of Science and Technology (NTNU) in Trondheim, Norway

A17. Local navigation strategies guide global route selection

Cassandra Engstrom, William H. Warren
Brown University in Rhode Island, USA

A18. Learning to produce challenging multi frequency coordination patterns with transformed visual feedback

Spencer Ferris, Steven Masi, Steven J. Harrison
University of Connecticut, USA

A19. Haptic perception in children with Down syndrome: The perception of rods' length and usefulness

Sergio T. Fonseca, Juliana M. Ocarino, Marisa C. Mancini
Federal University of Minas Gerais, Brazil

A20. Effect of wearing tensegrity-organized elastic bands on postural control in children with Down syndrome

Sergio T. Fonseca[1], Clarissa C. Paz[2], Thiago R. Santos[3], Priscila Araújo[1], Marisa C. Mancini[1]
[1]Federal University of Minas Gerais, Brazil
[2]University of Brasília, Brazil
[3]Federal University of Uberlandia, Brazil

A21. Emergence and transition in the development of locomotion in Brazilian infants from 5 to 18 months old: A longitudinal study during the COVID Pandemic

Maylli Daiana Graciosa[1], Edison de Jesus Manoel[1], Ana Angelica Ribeiro de Lima[1], Rene Drezner[1], Priscilla A. Monteiro Ferronato[2]
[1]School of Physical Education and Sport, University of Sao Paulo, Brazil
[2]McGill University, Montreal, Canada

A22. An ecological approach to motor learning

Ran Zheng, John van der Kamp
Free University of Amsterdam, The Netherlands

A23. Towards a framework of aesthetic and artistic sense-making: Threefold beauty

Lisa-Maria van Klaveren[1], Gemma Schino[1], Hector Gallegos González[1], Theisje van Dorsten[2], Barend van Heusden[1], Ralf Cox[1]
[1]University of Groningen, The Netherlands
[2]University College Groningen, University of Groningen, The Netherlands

A25. Affordances for transgression: Theatre eco-niches allowing violations

LeGrace Benson
State University of New York, USA

POSTER SESSION B, Thursday June 27 (16:30-18:00)

B1. Nested affordances in person-object systems: How body- and action-scaling interplay to support calibration in aperture crossing
Gisele C. Gotardi[1], Matt Miller-Dicks[2], Ludovic Seifert[1]
[1]University of Rouen Normandy, France
[2]University of Portsmouth, United Kingdom

B2. Contact surface curvature length specifies graspability
McKenzie L. Gunter, Myah Kelly, Alen Hajnal
University of Southern Mississippi, USA

B3. A unified account of current-future control & affordance-based control
Dees B. W. Postma[1], Frank T. J. M. Zaal[2]
[1]University of Twente, The Netherlands
[2]University Medical Center Groningen, The Netherlands

B4. Quantum Mechanics in perception and action?
Robert Heath[1], Thomas A. Stoffregen[2]
[1]Hiawatha Valley Education District, Minnesota, USA
[2]University of Minnesota, USA

B5. Audiovisual speech perception in children with ASD: Lessions from behavioral and neurobiological methods
Julia Irwin
Southern Connecticut State University, USA

B6. An intrinsic role of the human nose in postural control
Mariko Ito[1], Takayuki Kondoh[2], Hiroyuki Mishima[2]
[1]Sapporo Gakuin University, Japan
[2]Waseda University, Japan

B7. Do probing dynamics differ when perceiving different properties of the probe-surface system?
Arghya Kashyap[1], Kwesi Blankson[1], Alen Hajnal[2], Jeffrey B. Wagman[1]
[1]Illinois State University, USA
[2]The University of Southern Mississippi, USA

B8. Analyzing whole-body coordination in perception-action system during slacklining
Kentaro Kodama[1], Hideo Yamagiwa[2], Yu Ozawa[3], Kazuhiro Yasuda[4]
[1]Tokyo Metropolitan University, Japan
[2]Tokyo Metropolitan Tobu Medical Center, Japan
[3]Tokai University, Japan
[4]Waseda University, Japan

B9. First-order derivative of optic flow is helpful for direct perception of non-rigid motion but not for oculomotor pursuit

Krischan Koerfer, Markus Lappe
University of Münster, Germany

B10. A longitudinal HD EEG study of perception of occluded moving objects in preterm and full-term infants and children

Ingrid B. Larsen, Audrey van der Meer, Silje-Adelen Nenseth
Norwegian University of Science and Technology (NTNU) in Trondheim, Norway

B11. What does "ping pong" afford? - The role of acoustic cues in table tennis

Li-Yin Lin, Yeou-Teh Liu
National Taiwan Normal University in Taipei, Taiwan

B12. Attentional constraints and the symmetry of discrete movement dynamics

Yeou-Teh Liu[1], Karl M. Newell[2]
[1]National Taiwan Normal University in Taipei, Taiwan
[2]University of Georgia, USA

B13. Motivation to practice physical activity with an adaptive socially assistive robot in individuals with schizophrenia

J. Lozano-Goupil[1], S. Raffard[2], R. C. Schmidt[3], L. Marin[1], G. Mostafaoui[4]
[1]University of Montpellier & IMT Mines Alès, France
[2]University Hospital Center in Montpellier, France
[3]College of the Holy Cross in Worcester, Massachusetts, USA
[4]CY Cergy Paris University, France

B14. Moving with someone happy makes you happy

Juliette Lozano-Goupil, Mathilde Parisi, Benoit Bardy, Ludovic Marin
University of Montpellier & IMT Mines Alès, France

B15. Fractal scaling of low-level perceptual variables in films and subjective aesthetic appraisals of viewers

Lucrezia Lucchi[1], Lisa-Maria van Klaveren[1,2], Julia J. C. Blau[3], Ralf F. A. Cox[1]
[1]University of Groningen (RUG), The Netherlands
[2]Amsterdam University Medical Center, University of Amsterdam, The Netherlands
[3]Central Connecticut State University, USA

B16. Tuned pendulums improve performance of a 1:2 coordination pattern task, but training with those pendulums may help or hinder performance in the task once the pendulums are removed

Steven Masi, Spencer Ferris, Steven Harrison
University of Connecticut, USA

B17. Global contextual constraints influence affordance-based behavioral transitions in a virtual reality pass-through aperture task

Tarcisio S. Moreira, Dalton S. Cooper, Tehran Davis
University of Cincinnati in Ohio, USA

B18. The effects of locomotor asymmetry on coordination and visual task performance

Charles Danee Napoli, Richard E. A. van Emmerik

University of Massachusetts in Amherst, USA

B19. Observation in everyday environments: Understanding the development of behavior embedded in places and events

Chihiro Nishio

Konan University, Japan

B20. Affordance dynamics during gender-affirming hormone therapy

Patric Nordbeck, Otto E. Snoeren, Tove Lundberg

Lund University, Sweden

B21. The effects of ambient light intensity on affordance perception

Tyler Overstreet, Myah Kelly, Ron Dickson, Alen Hajnal

The University of Southern Mississippi, USA

B22. Drawing animals in the palaeolithic: Investigating the roles of perspective and outline completeness

Murillo Pagnotta, Mateusz Psujek, Riccardo Fusaroli, Kristian Tylén

Aarhus University, Denmark

B23. Towards a framework of aesthetic and artistic sense-making

Lisa-Maria van Klaveren[1,2], Ralf Cox[2], Gemma Schino[2], Theisje van Dorsten[2], Barend van Heusden[2]

[1]Amsterdam University Medical Center, The Netherlands
[2]University of Groningen, The Netherlands

POSTER SESSION C, Friday June 28 (16:30-18:00)

C1. Interpersonal coordination in (almost) doctor-patient communication
Kinga Palatinus, Zsolt Dudás, Oguz Kelemen
University of Szeged, Hungary

C2. Multifractal analysis of developing map reading skills
Zsolt Palatinus[1], Zsolt Dudás[1], Ádám Tóth[1], Anett Kádár[1], Viktor Pál[1], Péter Bagoly-Simó[2]
[1]University of Szeged, Hungary
[2]Humboldt University in Berlin, Germany

C3. Psychological and physiological outcomes of interpersonal synchrony during yoga
Caitrín Hall, Alexandra Paxton
University of Connecticut, USA

C4. Do arm-support exoskeletons affect pointing movements and accuracy?
Balagopal Raveendranath, Christopher C. Pagano, Divya Srinivasan
Clemson University in South Carolina, USA

C5. An ecological approach to colored shadows in nature and art
Catherine Read
Rutgers University, Ithaca College, USA

C6. Metacommunication and understanding in computer-mediated narratives
Lucia Rivas[1], Kerry S. Kleyman[2], Alexandra Paxton[1]
[1]University of Connecticut, USA
[2]Metro State University in Minnesota, USA

C7. MultiSOCIAL toolbox: An open-source library for quantifying multimodal social interaction
Veronica Romero[1], Tahiya Chowdhury[1], Alexandra Paxton[2]
[1]Colby College, USA
[2]University of Connecticut, USA

C8. The role of emotions in sense-making with art: An interdisciplinary study
Gemma Schino[1], Samrddhee Pathare[1], Lisa-Maria van Klaveren[1,2], Theisje van Dorsten[3], Barend van Heusden[1], Ralf Cox[1]
[1]University of Groningen (RUG), The Netherlands
[2]Amsterdam University Medical Center, University of Amsterdam, The Netherlands
[3]University College Groningen, University of Groningen, The Netherlands

C9. Motor control consequences of constraining postural sway during practice of an upper-limb precision aiming task in individuals with chronic stroke
Sarah M. Schwab-Farrell, Tehran J. Davis, Michael A. Riley, Paula L. Silva
University of Cincinnati in Ohio, USA

C10. Task constraints influence how social affordances are nested in rugby union

Ludovic Seifert[1], Guillaume Hacques[2], Quentin Bourgeais[1], Mickael Campo[3]
[1]University of Rouen Normandy, France
[2]University of Clermont-Ferrand, France
[3]University of Bourgogne, France

C11. Gap perception in porpoises and dolphins: Passability estimation for vertical and horizontal gaps

Natsumi Shibata[1], Seiichi Kaji[2], Masatoshi Tsunokawa[2], Kiyohide Ito[3], Takashi F. Matsuishi[1]
[1]Hokkaido University, Hokkaido, Japan
[2]Otaru Aquarium, Co., LTD., Hokkaido, Japan
[3]Future University Hakodate, Hokkaido, Japan

C12. Out of sight, out of mind? Neuronal gamma oscillations during occlusion events in babies

Regine Slinning, Seth B. Agyei, Silje H. Kristoffersen, Ruud van der Weel, Audrey van der Meer
Norwegian University of Science and Technology (NTNU) in Trondheim, Norway

C13. Extrinsic time, intrinsic time

Thomas A. Stoffregen[1], Robert Heath[2]
[1]University of Minnesota, USA
[2]Hiawatha Valley Education District, Minnesota, USA

C14. Opening the black box of team-based learning: Exploring team learning dynamics in online application sessions

Lisa-Maria van Klaveren, Linda Roossien, Tobias Boerboom, Rien de Vos
University of Amsterdam, The Netherlands

C15. Disruptive behaviors in backchannels and eye-contacts during dyadic interaction in schizophrenia

Victor Vattier[1,2,3], Ludovic Marin[2,4], Richard Schmidt[6], Tifenn Fauviaux[2,4], Mathilde Parisi[2,4], Stéphane Raffard[3,5]
[1]Laboratory of Psychology Epsylon Montpellier
[2]Euromov DMH Montpellier, France
[3] University of Montpellier III - Paul Valery, France
[4]University of Montpellier, France
[5]CHU Montpellier, France
[6]College of the Holy Cross in Worcester, Massachusetts, USA

C16. Infant age classifier for a baby brain-computer interface

Đorđe Veljković, Silje-Adelen Nenseth, Audrey van der Meer, Seth B. Agyei
Norwegian University of Science and Technology (NTNU) in Trondheim, Norway

C17. How many potential collisions do we respond to at once: Investigating the efficacy of visual thresholds in human crowds

Kyra Veprek, William H. Warren
Brown University in Rhode Island, USA

C18. When left means right: Spatiotemporal extension and stimulus-response compatibility

Emily Wang, Tehran J. Davis, John G. Holden, Kevin Shockley
University of Cincinnati in Ohio, USA

C19. Development of visual motion perception in full-term and preterm infants and children: A longitudinal high-density EEG study

Jin Wang, Audrey Van der Meer, Seth B. Agyei, Silje-Adelen Nenseth
Norwegian University of Science and Technology (NTNU) in Trondheim, Norway

C20. Seeing the unseen boundary behind you: Predicting the out-of-bounds of flick serves in playing badminton doubles

Zuoqi Zhang, Zhichen Feng, Tristan Wallhead, Kenneth Gerow, Qin "Arthur" Zhu
University of Wyoming, Laramie, USA

C21. Modeling the angle-of-approach effect in manual lateral interception

Danial Borooghani, Remy Casanova, Frank T. J. M. Zaal, Reinoud J. Bootsma

C22. Coordinative structures exploit co-activation and co-variation of muscles

Raoul Bongers[1], Iris Slooter[1], Morten Kristoffersensen[2]
[1]University Medical Center Groningen, The Netherlands
[2]University of Gothenburg, Sweden