PROGRAM

Wednesday, June 27
17.00 - 20.00 Registration and welcome
20.00 - 20.45 Dinner
20.45 - 24.00 Bar night with football

Thursday, June 28
08.00 - 09.00 Breakfast
09.00 - 10.45 AGENCY AND THE ENVIRONMENT
10.45 - 11.15 Coffee break
11.15 - 13.00 INFORMATION, ACTION, AND LEARNING
13.00 - 14.00 Lunch
14.00 - 15.00 Poster session
15.00 - 16.45 TEMPORAL CONTROL AND ACTION
16.45 - 17.15 Coffee break
17.15 - 19.00 ECOLOGICAL APPROACHES TO TIME IN PERCEPTION, ACTION, AND MUSIC
19.00 - 20.00 Break
20.00 - 20.45 Dinner
20.45 - 24.00 Bar night with football

Friday, June 29
08.00 - 09.00 Breakfast
09.00 - 10.45 (DIS)ASSEMBLING INDIVIDUAL AND INTERPERSONAL SYNERGIES
10.45 - 11.15 Coffee break
11.15 - 13.00 COORDINATION, GAZE, AND DYNAMIC TOUCH
13.00 - 14.00 Lunch
14.00 - 15.00 Poster session
15.00 - 16.45 COGNITION AND ACTION IN SPORT
16.45 - 17.15 Coffee break
17.15 - 19.00 PERCEPTUO-MOTOR DEVELOPMENT
19.00 - 20.00 Break
20.00 - 24.00 Gala dinner and bar night with music

Saturday, June 30
08.00 - 09.00 Breakfast
09.00 - 10.45 INFORMATIONAL MODIFICATION OF MOVEMENT DYNAMICS
10.45 - 11.15 Coffee break
11.15 - 13.00 EXPLOITING PERCEPTION-ACTION COUPLINGS IN PRACTICAL SETTINGS
13.00 - 16.00 Lunch and departure
ORAL PRESENTATIONS

THURSDAY, JUNE 28

09.00 - 10.45 > SYMPOSIUM: AGENCY AND THE ENVIRONMENT

Chair: Rob Withagen

*Situating action and the affordances of places*
Harry Heft, Justine Hoch, and Trent Edmunds

*Human practices, agency, and affordances*
Erik Rietveld

*Affordances and agency: Lessons from different fields of inquiry*
Rob Withagen, Harjo de Poel, Duarte Araújo, and Gert-Jan Pepping

*Autonomous Agency: What enactivism can provide for ecological psychology*
Xavier Barandiaran

11.15 - 13.00 > FREE COMMUNICATIONS: INFORMATION, ACTION, AND LEARNING

Chair: Reinoud Bootsma

*Variability of practice and learning to land in a flight simulator*
David Jacobs, Michael Huet, Cyril Camachon, Olivier Missenard, Rob Gray, and Gilles Montagne

*Learning to control the Botafumeiro*
Antoine Morice and Isabelle Siegler

*Running for catchable and uncatchable fly balls*
Frank Zaal, Harjo de Poel, Joanne Smith, and Gert-Jan Pepping

*Angle of approach effects in interceptive movements*
Simon Ledouit, Rémy Casanova, and Reinoud Bootsma

*Changes in functional interlimb interactions when learning a new bimanual coordination pattern with an internal or external focus of attention*
Betteco de Boer, Lieke Peper, and Peter Beek

15.00 - 16.45 > FREE COMMUNICATIONS: TEMPORAL CONTROL AND ACTION

Chair: Frank Zaal

*Early, late and full visual information in parabolic catching: Effects on hand closing time*
Joan López-Moliner

*The control of movement*
David Lee
Ecological lessons from plant signaling and adaptive behavior
Paco Calvo and Emma Martín

To merge, or not to merge? A study on audiovisual information as higher order invariants toward risk feelings in highway driving behavior
Takayuki Kondoh, Nobuhiro Furuyama, Tomoharu Nakano, Atsunobu Kaminuma, and Hideaki Nemoto

To merge, or not to merge? Ecologizing an index of merging decision in highway driving behavior
Nobuhiro Furuyama, Takayuki Kondoh, and Tomoharu Nakano

17.15 – 19.00 > SYMPOSIUM: ECOLOGICAL APPROACHES TO TIME IN PERCEPTION, ACTION, AND MUSIC

Chair: Matthew Rodger

Perceptual events, action capabilities, and time: Temporal experience as a property of the constraints of affordances
Matthew Rodger

Sense of rhythm
Harjo de Poel

Biological time: An epiphenomenon reflecting the dynamics of processes?
Raoul Huys and Viktor Jirsa

Sense-making and musical time: An ecological approach
Mark Reybrouck

FRIDAY, JUNE 29

09.00 - 10.45 > SYMPOSIUM: (DIS)ASSEMBLING INDIVIDUAL AND INTERPERSONAL SYNERGIES

Chair: Rita Cordovil

The formation of stable patterns of pencil grip in children
João Barreiros

Learning to cooperate: From individual to group synergies
Rita Cordovil, Carlos Luz, Ricardo Robalo, and Ana Diniz

Moving to the beat: Spontaneous and intentional coordination while Maraca-ing
Kerry Marsh, Alexander Demos, and Roger Chaffin

Interpersonal coordination supporting performance in video game tasks
Pedro Passos and Luis Vilar

The rowing crew as a synchronizing synergy
Harjo de Poel

11.15 - 13.00 > FREE COMMUNICATIONS: COORDINATION, GAZE, AND DYNAMIC TOUCH
Chair: Lieke Peper

Social priming: A tool to enhance impaired social coordination
Robin Salesse, Jonathan Del-Monte, Stéphane Raffard, Delphine Capdevielle, Manuel Varlet, Richard Schmidt, Jean-Philippe Boulenger, Benoît Bardy, and Ludovic Marin

The effect of the number of oscillators on the stability of finger-tapping movement: A comparison between intra- and inter-personal coordination systems
Kentaro Kodama and Nobuhiro Furuyama

Ecological foundations of human motion model
Wangdo Kim, Antonio Veloso, Veronica Vleck, and Filipa João

Keeping in contact: The role of gaze in skill learning
Ludger van Dijk and Raoul Bongers

Perception of object properties by dynamic touch is impaired in children with developmental disorders
Paula Silva, Juliana Ocarino, Thales Souza, Marisa Mancini, and Sergio Fonseca

15.00 - 16.45 > SYMPOSIUM: COGNITION AND ACTION IN SPORT

Chair: Duarte Araújo

Use your brain if you have to
Rita de Oliveira

An ecological approach to sport expertise: Lessons learnt from perception, action, and penalty kicks
Matt Dicks

Informational constraints on performance in futsal
Luis Vilar and Duarte Araújo

Linking individual and team cognition in soccer
Duarte Araújo and Ricardo Duarte

17.15 - 19.00 > SYMPOSIUM: PERCEPTUO-MOTOR DEVELOPMENT

Chairs: Audrey van der Meer and Rita Cordovil

Longitudinal study of perception of structured optic flow and random visual motion in infants using high-density EEG
Audrey van der Meer, Seth Bonsu Agyei, and Ruud van der Weel

Levels of autistic prospective control during an interceptive task
Caroline Whyatt and Cathy Craig

Crossing the crocodiles’ river: Learning to perceive affordances for others in cooperative tasks
Rita Cordovil and Vanda Correia

Quantifying the dynamics of children’s individual and coordinative behaviour
Ralf Cox
SATURDAY, JUNE 30

09.00 - 10.45 > SYMPOSIUM: INFORMATIONAL MODIFICATION OF MOVEMENT DYNAMICS

Chair: Raoul Huys

*Information structures behavioural dynamics: The example of reciprocal aiming*  
Laure Fernandez, Raoul Huys, Viktor Jirsa, and Reinoud Bootsma

*Coordination dynamics of multisensory integration*  
Julien Lagarde, Gregory Zelic, and Denis Mottet

*Human-robot interactions: Adaptation and control in rhythmic tasks*  
Renaud Ronsse

*Interplay of information and movement dynamics in the context of rhythmic timing*  
Kjerstin Torre

11.15 - 13.00 > SYMPOSIUM: EXPLOITING PERCEPTION-ACTION COUPLINGS IN PRACTICAL SETTINGS

Chair: Vanda Correia

*Informational constraints on passing performance in field and virtual performance contexts*  
Vanda Correia, Duarte Araújo, and Cathy Craig

*Affordances and environmental judgments*  
Benjamin Meagher and Kerry Marsh

*Bespoke balance training games for older adults and people with Parkinson’s*  
Cathy Craig

*Challenging perceptual environments for training and evaluation in clinical settings*  
Lieke Peper
POSTER PRESENTATIONS

Poster sessions are on Thursday 28 and Friday 29 from 14.00 to 15.00, but all posters will be on display throughout the workshop.

1. **Obstacles are treated differently than targets when adjusting hand movements in dynamic environments**
Pilar Aivar, Eli Brenner, and Jeroen Smeets

2. **Quantifying forms of sensorimotor coupling with the situated-HKB model: What robots can tell us about ecological psychology**
Miguel Aguilera, Manuel Bedia, Bruno Santos, and Xabier Barandiaran

3. **Direct perception: Contribution of Peircean pragmatism to the ecological approach**
Paulo Henrique Araújo Oliveira Pereira and João Antonio de Moraes

4. **A sensory substitution device on the torso and time-to-contact information**
Leandro Cánčar, Alex Díaz, Antonio Barrientos, David Jacobs, and David Travieso

5. **Intentionality: New horizons from the Ecological Philosophy perspective**
Maria Eunice Gonzalez, Mariana Broens, and José Gonzalez

6. **Affordances as dispositions: An ontological ground for perception**
Manuel Heras-Escribano and Manuel de Pinedo-García

7. **Mechanical impedance as information for haptically perceiving another person**
Yousuke Hirate, Hiroshi Inou, Mamoru Sawada, and Hiroyuki Mishima

8. **High-density EEG study into infants’ prospective control of gaze**
Magnus Holth, Audrey van der Meer, and Ruud van der Weel

9. **1+1≠2: Non-trivial interactions in bimanual reciprocal aiming**
Jorge Ibáñez-Gijón, Raoul Huys, David Jacobs, and Viktor Jirsa

10. **A revised Newell model of constraint-based motor coordination**
Johann Issartel and Matthew Rodger

11. **Reorganization of visual skills in an expert kendama player**
Mariko Ito, Hiroyuki Mishima, and Masato Sasaki

12. **Object size affects haptic object identification**
Hidemi Komatsu and Kenichiro Kohara

13. **Niche and affordances: An investigation within the ecological philosophy perspective**
Bruna Maria Lemes Duarte, Renata Silva Souza, and Talita Cristina Bueno Beltrão

14. **Learning to step on a target object with a sensory substitution device on the leg**
Lorena Lobo, Antonio Barrientos, David Jacobs, and David Travieso

15. **Movement registration and kinematic variables in deceptive and nondeceptive penalty kicks**
José Lopes, David Travieso, David Jacobs, and Duarte Araújo

16. **Temporal information drives motor adaptation to temporal delays**
Cristina de la Malla, Joan López-Moliner, and Eli Brenner

17. **The effect of ambient sound on body sway while standing**
Teppei Miyake, Hiroshi Inou, Mamoru Sawada, Kiyohide Ito, and Hiroyuki Mishima
18. Social affordances and personal identity in the context of virtual environments
Juliana Moroni, Quêlia Nair Afonso de Macedo, and Maria Eunice Gonzalez

19. Towards a more ecological notion of intention
María Muñoz Serrano

20. Age-related changes about haptic shape perception
Kayoko Murata, Tetsuya Arai, Hidemi Komatsu, Naoe Masuda, and Sigeru Ichihara

21. Closing the gap between eye movements and perception in sport: The case of football penalty saving
José Antonio Navia, Carlos Avilés, and Luis Miguel Ruiz

22. The relationship between dwelling and locomotion: Discovering the house during the first 2 years of life
Miho Nishizaki

23. Two guidelines to reconstruct an alternative evolutionary psychology: A Gibsonian assessment
Diana Rabinovich

24. A new method to assess dribbling competence in basketball
Ricardo Robalo, João Vaz, and Pedro Passos

25. Patterns of interpersonal coordination in rugby union: Analysis of collective behaviors in a match situation
Marta Rodrigues and Pedro Passos

26. An initial approach to violin technique from Bernstein's hypothesis
Andrés Rodríguez, Lorena Lobo, David Jacobs, and Florentino Blanco

27. Perceiving action during action execution: Intentional effects
Robin Salesse, Maria Ntolopoulou, Richard Schmidt, Benoît Bardy, Ludovic Marin, Thierry Chaminade, and Julien Lagarde

28. Modeling social motor coordination in schizophrenia
Manuel Varlet, Robin Salesse, Julien Lagarde, Benoît Bardy, Stéphane Raffard, Richard Schmidt, Delphine Capdevielle, Jean-Philippe Boulenger, Jonathan Del-Monte, and Ludovic Marin

29. Learning of a visually guided balance task: A direct learning perspective
Daniela Vaz, David Jacobs, and Claire Michaels

30. The problem of the object of study in the dynamical approach in cognitive science: A philosophical appraisal based on R. Beer’s research program in computational neuroetology
Nicolás Venturelli