

## RESEARCH CONFERENCES

ESF-EMBO Symposium

### Three Dimensional Sensory and Motor Space: Perceptual Consequences of Motor Action

Hotel Eden Roc, Sant Feliu de Guixols (Costa Brava) • Spain

**6-11 October 2007**

1.	Alaerts, Kaat	Force requirements of observed object grasping are encoded by the onlooker's motor system: A TMS-study
2.	Andre, Virginie	Evaluation of children's visual perception : Development of a test and calibration. Study of two populations of dyspraxics children with or without brain injury.
3.	Balslev, Daniela	A role for left anterior parietal cortex in visuospatial attention
4.	Belopolsky, Artem	Attentional and motor consequences of observing pointing movements
5.	Bernier, Pierre-Michel	Proprioception is gated when a sudden visuomotor conflict occurs
6.	Blangero, Annabelle	Dorsal stream lesions impair fast spatial updating for both perception and action
7.	Bompas, Aline	How saccadic sampling of natural scenes could structure brightness scales: psychophysical experiment and saccade analysis combined
8.	Borja, Rodríguez Herreros	How motion after-effects influence hand movements
9.	Brozzoli, Claudio	Keep your eyes on the road and your hands upon the wheel: Proprioceptive-kinaesthetic inputs affect tactile perception
10.	Cardinali, Lucilla	Title: Body Schema Plasticity after Tool-Use: a Kinematic Study
11.	Cesari, Paola	Motor system selection for different task parameters during motor imagery and motor performance
12.	De Grave, Denise	Shifted visual feedback about the distance of the hand does not change reachability.
13.	Domellöf, Erik	Kinematic differences between unimanual reaching-to-grasp and hitting movements in children with hemiplegic cerebral palsy
14.	Dvorkin, Assaf	Assessment of hemispacial neglect within a virtual environment
15.	Edwards, Martin	Can Observed Action be Perceived?
16.	Esseily, Rana	How do infants acquire new motor skills? The influence of observational learning in object grasping and manipulation
17.	Fleischer, Falk	Neural model for the visual recognition of goal-directed actions
18.	Frissen, Ilya	Contributions of Vestibular Information to the Perception of Walking Speed
19.	Gillmeister, Helge	Body part priming and the role of sensorimotor experience: linking imitation and the mirror system.
20.	Guillaume, Alain	Levels influenced by saccadic adaptation : from target localization to motor commands production
21.	Hesse, Constanze	The use of visual information during on-line control of grasping movements
22.	Hoellinger, Thomas	Study of a 3D audio-motor coupling with an electromagnetic motion capture device
23.	Jackson, Stuart	Perceptual consequences of the percept's action: The role of human form in perceiving an ambiguous rotating walker
24.	Jáuregui-Renaud, Kathrine	Depersonalisation/derealisation symptoms and updating orientation in patients with vestibular disease
25.	Kaim, Lukas	Parametric variations in exploratory movements influence signal integration and signal reliability in active shape perception
26.	Kalla, Roger	Brain mechanisms of visual search: Dissociating the contributions of FEF and PPC in visual search
27.	Kaminiaz, Andre	Localization of visual targets during optokinetic afternystagmus (OKAN)
28.	Kennedy, Jon Samuel	Adaptation to temporal shifts: learnt behaviour or perceptual-motor realignment?
29.	Lábadi, Beatrix	Fitting hands into holes: the sensorimotor body representation in very preterm children
30.	Liesker, Hanneke	Visual and haptic search: Do eyes and hands perform tasks in parallel and independently?
31.	Lommertzen, Janneke	A differential effect of the rod-and-frame illusion on the timing of forearm rotations

32.	Maij, Femke	Peri-saccadic mislocalisation: spatial or temporal inaccuracy?
33.	Martin, Olivier	Don't move the hand whatever happens ! Arguments for an integrated perception of dual visuo-motor referencing in hand and balance inter-reactive control
34.	Martin, Jason Anthony	Effects of Perceptual Complexity on Movement Across the Age-Span
35.	Mergenthaler, Konstantin	Control mechanisms of fixational eye movements
36.	Miyazaki, Makoto	Eye-position dependent acquisition of multiple prior distributions in tactile temporal order judgments
37.	Morice, Antoine	Embodied perception of gravity when bouncing a ball: proposal for the use of a new invariant
38.	Muller, Chris	Maybe They Are All Circles
39.	Munuera, Jérôme	Roles and neural basis of the internal model and sensory feedback for updating motor control
40.	Noy, Lior	Human gaze patterns in movement imitation – comparison to a saliency based computational model
41.	Ottoboni, Giovanni	Action planning can improve object detection in a change-blindness task.
42.	Overvliet, Krista	Haptic Serial Search with Three Fingers is Slower than with One Finger
43.	Press, Clare	Imitation of robotic actions is enhanced by visuomotor experience
44.	Prost Lefebvre, Myriam	Measuring the visual attentional field
45.	Reichenbach, Alexandra	Visual vs. Proprioceptive Feedback Loops in Reaching
46.	Robertson, Johanna	Use of audio motor learning for the rehabilitation of upper limb reaching in hemiparetic subjects
47.	Sanders, Bram	Curvature affects haptic length perception
48.	Sarlegna, Fabrice	Vision can be used to update the internal model of limb dynamics in the absence of proprioception
49.	Schenck, Wolfram	Title: Learning Visual Prediction with a Robot Camera Head
50.	Schumann, Frank	Human Eye-head Coordination during Natural Exploration
51.	Sciutti, Alessandra	Internal models in interception
52.	Senkfor, Ava	To have and to hold: Memory for pantomimed actions versus actions with real objects
53.	Sharikadze, Megi	Doing two things at once: interference in dual tasks
54.	Siegle, Joshua	"Distance perception in visual-to-tactile sensory substitution
55.	Souman, Jan L.	Perceived visual speed while walking: more than subtraction
56.	Suzuki, Mayu	Eye-position dependent acquisition of multiple prior distributions in tactile temporal order judgments
57.	Tarkka, Ina	Constraint induced movement therapy for cerebrovascular stroke, adding to evidence-based medicine
58.	Thomaschke, Roland	Own aiming movements prime the perception of dart throws
59.	Trottier, Leo	A Multimodal Paradigm for Investigating the Perisaccadic Temporal Inversion Effect in Vision
60.	Van Der Horst, Bernard	Transfer of the curvature aftereffect in static and dynamic touch
61.	Van Mierlo, Christa	Neural latency differences between binocular and monocular cues when estimating distance and orientation
62.	Van Pelt, Stan	Retinal Updating Of Target Location Across Vergence Eye Movements
63.	Villgrattner, Thomas	Gaze-Driven Piezo-Actuated Head-Mounted Camera System
64.	Vincze, Markus	Graspable - linking perceptual features to grasping motions using affordances
65.	Volcic, Robert	Phase shifts in haptic mental rotation reveal the role of reference frames
66.	Wijntjes, Maarten	Curvature contrast in haptic perception
67.	Wilson, Andrew	Improved Movement Stability Entails Improved Perceptual Stability
68.	Wong, Teser	Visual adaptation does not recalibrate kinaesthetic sense of felt hand path
69.	Wright, Michael John	fMRI investigation of perceptual skills in tennis
70.	Yang, Eunice	Action Influences Resolution of Conflict in Binocular Rivalry
71.	Yasuhito, Nagai	Eye-position dependent acquisition of multiple prior distributions in tactile temporal order judgments
72.	Zimmermann, Eckart	Saccadic adaptation induced shift scales with adaptation magnitude
73.	Zwicker, Jan	On the (Un)importance of Eye Movements and Memory for a Repulsion Effect of Concurrent Action on Perception