

Posters

Section I

Perception

I.A Vision

(MON. / TUES.)

- Perception Of Lifted Weight In Photographs And Stick-Figure Displays
S. Stavros Valenti, Lisa Sconzo, & Alan Costall
- Stimulus Complexity Determined By Fractal Geometry
Rainer Hoeger
- The Müller-Lyer Illusion As A Consequence Of Picture Perception
Gordon M. Redding, Alissa J. Kramen, & Jennifer L. Hankins
- Inference And Pattern In Perception Theory
John M. Kennedy & Christopher D. Green
- “Body-Image” Distortion And Accuracy Of Size Perception For Inanimate Objects
Thomas R. Alley & Amanda M. Olson
- Blur Selectively Affects The Bases For Alignment: Position And Orientation
Itsuo Kumazawa, John M. Kennedy, & Kei Suzuki
- Learning Faces Through Bi-quantised Pictures
Chang Hong Liu & Avi Chaudhuri
- Can Temporal Direction Affect Memory For Pictures Of Events?
Thomas R. Alley
- The Relevance Of Imagined Self-Rotations
Sarah H. Creem, Maryjane Wraga, & Dennis R. Proffitt
- Predicting Where And When Hidden Moving Objects Reappear
Bart De Bruyn & Mark F. Bradshaw
- Trajectory Forms As Visual Information In Bounce Events
Michael M. Muchisky
- Evidence For The Directness Of Advanced Information Pickup
Sverker Runeson, Peter Juslin, & Henrik Olsson

- Magnitude Production Of Relative Mass: A Preliminary Study
Steven B. Flynn, Heather F. Russell, & D. Michael Deron
- Measuring Visible Information In Mediated Environments
Catherine M. Burns
- Visual Perception Of Relative Phase And Phase Variability
Frank T. J. M. Zaal & Richard C. Schmidt
- Judging Coordinatedness Of Stimuli
Gil Hupert-Graff & Joachim Meyer
- Heading Perception During Combined Observer Translation And Rotation
Li Li & William H. Warren
- Robustness Of Heading Perception Along Circular Paths
Brett R. Fajen & Nam-Gyoon Kim

I.B Audition

(MON. / TUES.)

- Rotational Inertia Constrains Perception Of Object Length By Sound
Krista L. Anderson, Andrew J. Peck, & Claudia Carello
- Auditory Interceptive Timing And Familiarity With Acoustic Environment
Kiyohide Ito
- Acoustic Perception Of Aperture Passability
Michael K. Russell
- Acoustic Perception Of Sound Source Occlusion
Michael K. Russell
- Constraints On A Nonspeech McGurk Effect
Lawrence Bhanzazio, Cathi T. Best, & Carol A. Fowler
- Metaphor In The Surround: Adult Metaphoric Utterances And The Emergence Of Metaphor
Cathy Dent-Read
- Auditory And Haptic Information Support Perception Of Size
John Pittenger, Jason Jordan, Angela Belden, Piper Goodspeed & Frank Brown

I.C Haptics and Touch

(WED. / THURS.)

- Local Attitudes Are The Effective Stimuli For Haptic Curvature Discrimination
Sylvia C. Pont, Astrid M. L. Kappers, & Jan J. Koenderink
- Influence Of Orientation On The Haptic After-Effect Of Cylindrical Surfaces
Ingrid M. L. C. Vogels, Astrid M. L. Kappers, & Jan J. Koenderink
- The Perceptual Recovery Of Texture Gradients By Active Touch
Barry Hughes
- Effects Of Volume On Perceived Heaviness
Eric L. Amazeen
- Haptic Perception Of Block Letters In The Horizontal Plane
Giuseppe Mirabella

Section II

Perception-Action Coupling

II.A Affordances

(MON. / TUES.)

- Kinematic Specification Of Affordances
Thomas A. Stoffregen, Kathleen Gorday, Yang-Yi Sheng, & Steven B. Flynn
- Perceiving Action Boundaries In The Volleyball Block
Gert-Jan Pepping & François-Xavier Li
- Perceiving Action Capabilities Of Others: Age Effects
Kathleen M. Gorday
- Fatigue And Reachability
J. R. (Rob) Pijpers, Frank C. Bakker, & Floris Holsheimer
- Perceiving What Is Reachable During Rapid Growth In Adolescence
Dorothy Heffernan & James A. Thomson
- Using An Object As If It Were Another: The Perception And Use Of Affordances In Pretend Object Play
Agnes Szokolszky
- Words Are Not Enough: How Educating Effectivities And Affordances Fosters The Early Lexicon
Patricia Zukow-Goldring
- Perceiving, Discovering And Constructing Affordances
Julie C. Rutkowska and Edward Baines
- Possible Informational Bases For The Perception Of Rapport
S. Stavros Valenti, Ken Wagner, & Marty Sobel

II.B Visually-Guided Action

(MON. / TUES.)

- The Functional Division Of Visual Information Under Induced Motion
Albert Yonas, Rocco Ross, and Molly Erdahl

- Preferred Critical Boundaries For Reaching In The Vertical Plane
Alana Blumental, Amy Rouse, Kelly Grandt & Leonard Mark
- A Haptic Perturbation To Visually-Guided Reaching
Christopher C. Pagano
- The Effect Of Temporal Delay On Pointing Accuracy In Adults And Children
Joanna K. Graham, Mark F. Bradshaw and Alyson M. Davis
- The Influence Of Visual Context On Movement Accuracy Is Dependent On Its Location In The Environment
Pierre Magne & Yann Coello
- Measuring Shape And Egocentric Distance Perception Through Reaching
Ittai Flascher, Frank Zaal, & Geoffrey Bingham
- Task Constraints On The Preferred Critical Boundary For Visually-Guided Reaching
Douglas L. Gardner, Janina Paasche, Heather Edkins, Timothy Hirons, Leonard S. Mark, & Marvin J. Dainoff
- Monocular Distance Perception Via Forward Versus Lateral Head Movements
Emily A. Wickelgren, Daniel S. McConnell, & Geoffrey P. Bingham
- Timing Of Interceptive Action In Children
John van der Kamp, Tjasa Planinsek, & Geert Savelsbergh
- The Focus Of Expansion Is Used To Control Walking
William H. Warren & Bruce A. Kay
- An Ecological Approach To Mobile Robotics
Andrew P. Duchon & William H. Warren
- Social Expressions In Infant Locomotion: Vocalizations And Gestures On Slopes
Catherine S. Stergiou, Karen E. Adolph, Martha Wagner Alibali, Anthony M. Avolio, & Carly Cenedella
- Infants' Responses To A Visual Cliff And Other Ground Surfaces
Marion Eppler, Tammy Satterwhite, Jeff Wendt & Kotoe Bruce
- Infants' Ability To Detour Around Apertures And Obstacles
Jeff Wendt, Marion Eppler, & Kotoe Bruce

II.C Intermodal and Perceptual-Motor Coordination

(WED. / THURS.)

- **Gaze Inclination: A Source Of Oculomotor Information For Distance Perception**
Richard P. Grutzmacher, Jeffrey T. Andre, & D. Alfred Owens
- **Visual-Movement Interaction In Infant Search**
Mark A. Schmuckler & Hannah Y. Tsang
- **Processing Specificity In Visual And Motor Imagery**
Jennifer A. Stevens
- **Is Haptic Space Isotropic?**
Matthew Butwill
- **Perceiving Lengths Of Rods Wielded In Different Mediums**
Kerri G. Donahue & Christopher C. Pagano
- **Object Visibility And The Inertia Tensor As Factors In The Size-Weight Illusion**
Megan M. Burke & Eric L. Amazeen
- **Measuring Entropy In Cascade Juggling**
Auke Post & Peter Beek
- **Motion Sickness Without Imposed Motion**
L. J. Smart & Randy J. Pagulayan

Section III**Action****III.A Patterns of Coordination****(WED. / THURS.)**

- Intention Determines Oscillatory Tracking Performance
John F. Stins & Claire F. Michaels
- The Role Of Amplitude In Frequency-Induced Transitions In Rhythmic Tracking
C. (Lieke) E. Peper & Peter J. Beek
- Continuous Frequency Modulation Of Symmetric And Asymmetric Coordination Dynamics
Hyeonsaeng Park
- Scale-Invariant Memory During Functional Stabilization
Paul J. Treffner & J. A. Scott Kelso
- Relative Coordination Reconsidered: A Stochastic Account
David R. Collins
- Comparing Discrete And Cyclical Movement Coordination Of Prehension
Chris Button, Simon Bennett, & Keith Davids
- Expert-Novice Comparison Of Coordination Patterns In The Volley-Ball Serve
J. Jacques Temprado, M. Della-Grasta, M. Farrell, & M. Laurent
- Learning A New Phase Relation Modifies The Intrinsic Dynamics
Polemnia G. Amazeen
- Control Of Sucking In Term And Preterm Infants
Cathy M. Craig & David N. Lee
- The Auditory Coordination Of Between-Person Rhythmic Movements
R. C. Schmidt and Keith McGregor

III.B Movement and Dynamics

(WED. / THURS.)

- Effect Of Dynamic Constraints In Interceptive Actions
François-Xavier Li
- The Active Torque-Angle Relation During Arm Motion Shows Linearity Even With Changes In The External Load
Paola Cesari & Takako Shiratori
- The Adiabatic Transformation Hypothesis In A Ball-Bouncing Task
B. Pavis, M. Broderick, & K. Newell
- Active Degrees Of Freedom Of Oscillatory Hand Movements
Michael A. Riley & Suvbrata Mitra
- Inertial Tensor Manipulations Of Length Perception By Static Holding
Matthew Stoop & Paula Fitzpatrick
- Minimal Movement And Selective Perception By Dynamic Touch
Marie-Vee Santana

III.C Posture and Locomotion

(WED. / THURS.)

- The Emergence Of Postural Coordination Modes
Benoît G. Bardy, Ludovic Marin, & Reinoud J. Bootsma
- Biomechanics As A (Limited) Constraint On Postural Coordination
Ludovic Marin
- Effects Of Postural Stability On Perception-Movement Coupling
Florent Fouque & Benoît G. Bardy
- Postural Stabilization Of Visual Fixation
Thomas A. Stoffregen & L. J. Smart
- Interlimb Frequency Coupling Patterns During Locomotion
Richard E. A. van Emmerik, Robert C. Wagenaar, & Erwin E.H. van Wegen
- The Intentional On-Line Control Of Walking Speed
F. Danion, M. Bonnard, & J. Pailhous

- **The Visual Guidance Of Blind Walking: Information And Individual Differences**
Richard A. Tyrrell, Melanie A. Pearson, & Jeffrey T. Andre
- **Motor Strategies In Landing From Different Heights Jump**
Takeshi Sato & Masami Miyazaki
- **Temporal Stabilities Of The Bipedal Galloping Pattern**
Andrew J. Peck

Posters Accepted By May 1997 Deadline

(To be presented in the Wednesday / Thursday poster session)

- Task-Specific Assembly Of The Postural Synergy
Ramesh Balasubramaniam and Michael T. Turvey
- Rhythmic Forearm Movements Of Parkinson Patients
Coen van den Berg, Peter Beek, Robert Wagenaar and Piet van Wieringen
- Perceived Reaching Distance And Functional Arm Length
Raoul M. Bongers, Ad W. Smitsman and Claire F. Michaels
- Neuromuscular-Skeletal Constraints And Cognitive Demands Of Perception-Action Coupling
R.Chua, R.G. Carson, W.D.Byblow and P. Poon
- Variability Of Neuropathic And Non-Neuropathic Subjects During Treadmill Walking
Jonathan B. Dingwell, Jan S. Ulbrecht, Dagmar Sternad, Peter R. Cavanagh
- Intentional Influence On Stability Of Bimanual Coordination In Parkinson Disease
Reint H. Geuze & R. Haaxma
- Ecological Approaches To The Simultaneous In Conversations
Miki Goan
- Dynamic Control In Hitting A Moving Target
M.H.E. de Lussanet, J.B.J Smeets & E. Brenner
- A Sense Of Face: Facial Perception To Help Navigation By The Blind
Emi Miyamoto, Kiyohide Ito, Katsutosi Tanahashi, Tetsuya Yakushinji and Masato Sasaki
- Haptically Perceiving Hanging Strings By Pulling-Down
Hiroyuki Mishima
- Dynamics of The Muller-Lyer Illusion
Anthony W. Morris, Kevin D. Shockley, and Robert E. Shaw

- **Blind Infants Perceiving Affordances**
Sarah Norgate
- **Tapping techniques (DA-KEN) for inspecting cans by an acoustical technique**
Masahiro Okura
- **Sounds About Full To Me: Learning To Use Auditory Information To Fill Vessels**
John B Pittenger, James Selig, & Allison Hodge-Selig
- **Visual Information Sources In A Batting Task**
Daniel M. Russell and Ben Sidaway
- **Perceived Self-Motion And Perceived Changes In Position**
Jeffrey A. Saunders
- **Infant Event Perception In Terms Of Disturbances Of Optical Structure**
Roelof Schellingerhout and Raoul M. Bongers
- **Manual Search In Congenitally Blind Preschoolers: Effects Of Surface Texture**
Roelof Schellingerhout, Ad W. Smitsman and Gerard P. Van Galen
- **Rhythmic Bouncing Of A Ball: Dynamic Stability And The Role Of Visual And Haptic Perception**
Dagmar Sternad, Daniel M. Russell and Stefan Schaal
- **What Happens In Everyday Actions?**
Kentaro Suzuki, Mitoka Hannya & Masato Sasaki
- **Relative Phase Stability Of Rhythmic Coordination Patterns In Children With A Developmental Coordination Disorder**
M. (Chiel) J.M. Volman & Reint H. Geuze
- **Cognitive performance is mediated by the stability of coordination patterns**
W. D. Byblow, J. J. Summers, D. By'south-Young