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 Brancazio, 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 Savelbergh

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

- 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
  *Hyeongsae 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. Farell, & M. Laurent*

- Learning A New Phase Relation Modifies The Intrinsic Dynamics
  *Poelmina 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

- 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 & Suvobrates Mitra*

- Inertial Tensor Manipulations Of Length Perception By Static Holding
  *Matthew Stroop & Paula Fitzpatrick*

- Minimal Movement And Selective Perception By Dynamic Touch
  *Marie-Vee Santana*

III.C  Posture and Locomotion

- The Emergence Of Postural Coordination Modes
  *Benoit 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 & Benoit 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*
Posters

- 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. Bysouth-Young