

ICDL-2008 Conference Program Saturday, August 9th

<i>Time</i>	<i>Activity</i>
6:00-7:00	Dinner
7:00-7:15	Welcome (Chairs)
7:15-8:15	Keynote Presentation: <i>Structural imaging reveals neurobiological responses to experience and other environmental factors</i> Terry Jernigan, UCSD
8:15-10:00	Welcome Reception (Patio Party)

Sunday August 10th

<i>Time</i>	<i>Activity</i>
7:30-8:30	Breakfast
9:00-10:00	Paper Session: Intention and Causality
	<i>Parental Action Modification Highlighting the Goal versus the Means</i> Yukie Nagai, Katharina Rohlfing
	<i>Ockham's razor as inductive bias in preschooler's causal explanations</i> Liz Bonawitz, Isabel Chang, Catherine Clark, Tania Lombrozo
	<i>Inferring Narrative and Intention from Playground Games</i> Christopher Crick, Brian Scassellati
10:00-10:30	Break
10:30-12:00	Special Session: Bayesian and Connectionist Approaches to Learning
	Participants: Tom Griffiths (Berkeley), Jay McClelland (Stanford) Alison Gopnik (Berkeley) Mark Seidenberg (Wisconsin)
12:00-1:00	Lunch
1:00-2:00	Keynote Presentation <i>Unsupervised learning of distributional patterns by adults and infants: Empirical findings and ideal-learner models</i> Richard Aslin, U. of Rochester
2:00-3:00	Paper Session: Learning Linguistic and Perceptual Categories
	<i>Acquisition of Semantics through Unsupervised Discovery of Associations between Perceptual Symbols</i> Tuna Oezer
	<i>Modeling Unsupervised Perceptual Category Learning</i> Brenden Lake, Gautam Vallabha, Jay McClelland
	<i>A self-referential childlike model to acquire phones, syllables and words from acoustic speech</i> Holger Brandl, Britta Wrede, Frank Joublin, Christian Goerick
3:00-3:30	Break
3:30-5:00	Poster Teasers (25 x 3min each)
5:00-5:30	Break
5:30-7:00	BBQ Dinner
7:30-10:00	Poster Session #1 (Full Papers)

Monday August 11

Time	Activity
7:30-8:30	Breakfast
9:00-10:00	Paper Session: Language Learning Principles
	<i>Input Affects Uptake: How Language Experience Influences Processing Efficiency and Vocabulary Learning</i> Anne Fernald, Virginia Marchman, Nereyda Hurtado
	<i>Acquiring Linguistic Argument Structure from Multimodal Input using Attentive Focus</i> G. Satish, Amitabha Mukerjee
	<i>Caregiver's Sensorimotor Magnets Lead Infant's Vowel Acquisition through Auto Mirroring</i> Hisashi Ishihara, Yuichiro Yoshikawa, Katsushi Miura, Minoru Asada
10:00-10:30	Break
10:30-12:00	Special Session: Visual Attention and Recognition
	<i>What Roles can Attention Play in Recognition?</i> John Tsotsos
	<i>Where-What Network 1: "Where" and "What" Assist Each Other Through Top-down Connections</i> Zhengping Ji, John Weng, Prokhorov Danil
	<i>The Effects of Neuromodulation on Attention and Action-Selection</i> Jeffrey Krichmar
	<i>Motor Aspect of Understanding, Development, and Recognition in Vision</i> Yoonsuck Choe, Huei-Fang Yang, Navendu Misra
12:00-1:00	Lunch
1:00-2:00	Keynote Presentation <i>Unsupervised discovery of structure via neuroscience inspired learning algorithms</i> Andrew Ng, Stanford University
2:00-3:30	Paper Session: Autism
	<i>Autism, Eye-Tracking, Entropy</i> Frederick Shic, Katarzyna Chawarska, Jessie Bradshaw, Brian Scassellati
	<i>Modeling the Development of Overselectivity in Autism</i> Trent Kriete, David Noelle
	Paper Session: Spatial Learning and Manipulation
	<i>Adaptive Temporal Difference Learning of Spatial Memory in the Water Maze Task</i> Erik Stone, Marjorie Skubic, James Keller
	<i>Detecting the Functional Similarities Between Tools Using a Hierarchical Representation of Outcomes</i> Jivko Sinapov, Alexander Stoytchev
3:30-4:00	Break
4:00-5:30	Paper Session: Architectures and Principles
	<i>Embodied Solution: The World from a Toddler's Point of View</i> Chen Yu, Linda Smith, Alfredo Pereira
	<i>From Pixels to Policies: A Bootstrapping Agent</i> Jeremy Stober, Benjamin Kuipers

	<i>Internal State Predictability as an Evolutionary Precursor of Self-Awareness and Agency</i> Jaerock Kwon, Yoonsuck Choe
	<i>Motor Initiated Expectation through Top-Down Connections as Abstract Context in a Physical World</i> Matt Luciw, John Weng, Shuqing Zeng
5:30-6:00	Break
6:00-7:30	Dinner
7:30-10:00	Poster Session #2 (1-page submissions)

Tuesday August 12th

Time	Activity
7:30-8:30	Breakfast
9:00-10:00	Paper Session: Dynamical Systems and Neural Fields
	<i>Homeostatic Development of Dynamic Neural Fields</i> Claudius Gläser, Frank Joublin, Christian Goerick
	<i>A Dynamic Systems Approach to Usage-based Model: From the Results of Robotic Learning Experiments</i> Yuuya Sugita, Jun Tani
	<i>Dynamic Field Theory of Sequential Action: A Model and its Implementation on an Embodied Agent</i> Yulia Sandamirskaya, Gregor Schoner
10:00-10:30	Break
10:30-12:00	Paper Session: Sensorimotor Control and Representation
	<i>I-POMDP: An Infomax Model of Eye Movement</i> Nicholas Butko, Javier Movellan
	<i>VIP neuron model: Head-centered cross-modal representation of the peri-personal space around the face</i> Sawa Fuke, Masaki Ogino, Minoru Asada
	<i>Sensorimotor Abstraction Selection for Efficient, Autonomous Robot Skill Acquisition</i> George Konidaris, Andrew Barto
	<i>Visual attention by saliency leads cross-modal body representation</i> Mai Hikita, Sawa Fuke, Masaki Ogino, Takashi Minato, Minoru Asada
12:00-1:00	Lunch