

*CURRICULUM VITAE*  
**CHRISTOPHER GEORGE PRINCE**

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**EDUCATION**

- Ph.D. University of Southwestern Louisiana, Fall 1998, Computer Science
- M.S. University of Southwestern Louisiana, Spring 1998, Computer Science
- M.A. University of Hawaii at Manoa, 1994, Human & Animal Cognition
- B.S. University of Victoria, 1986, Computer Science (First Class, Cooperative Ed.)

**ACADEMIC & INDUSTRY POSITIONS**

Associate Professor (tenured), University of Minnesota Duluth, March 2006 – present  
Undergrad teaching; MS thesis advising; research.

Assistant Professor, University of Minnesota Duluth, Fall 2000 – February 2006  
Undergrad teaching; MS thesis advising; research.

Visiting Assistant Professor, Louisiana Tech University, Fall 1998 – Spring 2000  
Undergrad and graduate teaching; undergrad advising; research.

Graduate Research Assistant, University of Southwestern Louisiana, 1994 - Fall 1998  
Experimental animal research; hippocampus computational modeling.

Graduate Research and Teaching Assistant, University of Hawaii, 1989 - 1994  
CS dept. lab instructor; research on psychology of programming; dolphin trainer.

Alberta Research Council, Advanced Technologies Division, 1987-1989  
Database programmer for oilfield related software in C, SQL, and Oracle.

**TEACHING STRENGTHS**

Assembly Language, Operating Systems, Programming, Ethics, Interactive Multimedia, Artificial Intelligence.

**JOURNAL PUBLICATIONS & BOOK CHAPTERS**

Gogate, L. J. & Prince, C. G., & Matatyaho, D. (2009). Two-Month-Old Infants' Sensitivity to Changes in Arbitrary Syllable-Object Pairings: The Role of Temporal Synchrony. *Journal of Experimental Psychology: Human Perception and Performance*. Volume 35 Issue 2, Apr 2009, 508-519.

- Hollich, G. J. & Prince, C. G. (2009). Comparing infants' preference for correlated audiovisual speech with signal-level computational models. *Developmental Science*, Volume 12 Issue 3, Pages 379 – 387.
- Prince, C. G. & Gogate, L. J. (2007). Epigenetic robotics: Behavioral treatments and potential new models for developmental pediatrics. *Pediatric Research*, 61, 383-385. [invited review paper]
- Prince, C. G. & Hollich, G. J. (2005). Synching models with infants: A perceptual-level model of infant synchrony detection. *The Journal of Cognitive Systems Research*, Special Issue on Epigenetic Robotics, Vol. 6, Issue 3, pp. 205-228. [21% acceptance rate for issue]
- Povinelli, D. J., Prince, C. G., & Preuss, T. M. (2005). Theory of mind, parent-offspring conflict and the emergence of behavioral imposters. In P. Carruthers, S. Laurence & S. Stich (Eds.), *The Innate Mind: Structure and Contents*. Oxford University Press.
- Povinelli, D. J. & Prince, C. G. (1998). When self met other. In: M. Ferrari & R. J. Sternberg (Eds.), *Self-awareness: Its Nature and Development* (pp. 37-107). New York: Guilford Publications, Inc.
- Povinelli, D. J., Zebouni, M. C., & Prince, C. G. (1996). Ontogeny, evolution, and folk psychology. Commentary on Barresi, J. & C. Moore. *Intentional Relations and Social Understanding. Behavioral and Brain Sciences*, 19, 137-138.

## **PROCEEDINGS & JOURNAL EDITIONS**

- Berthouze, L. & Prince, C. G. (Eds; 2008). Special Edition of the Journal *Infant and Child Development*. Special Issue on Epigenetic Robotics.
- Berthouze, L., Prince, C. G., Littman, M., Kozima, H., and Balkenius, C. (2007). Proceedings of the Seventh International Conference on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems. Lund University Cognitive Studies, 135. Lund: LUCS. ISBN 91-974741-8-5.
- Kaplan, F., Oudeyer, P.-Y., Revel, A., Gaussier, P., Nadel, J., Berthouze, L., Kozima, H., Prince, C. G., & Balkenius, C. (2006). *Proceedings of the Sixth International Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems*. Lund University Cognitive Studies.
- Berthouze, L., Kozima, H., Prince, C. G., Sandini, G., Stojanov, G., Metta, G., & Balkenius, C. (2004). *Proceedings of the Fourth International Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems*. Lund University Cognitive Studies, 117. Lund: LUCS. ISBN 91-974741-3-4
- Prince, C. G. & Demiris, Y. (Eds.) (2003). Special Edition of the Journal *Adaptive Behavior*. Selected, revised, and reviewed papers from the *Proceedings of the Second International Workshop on Epigenetic Robotics*. Volume 11, No. 2.

Prince, C. G., Berthouze, L., Kozima, H., Bullock, D., Stojanov, G. & Balkenius, C. (Eds.) (2003). *Proceedings of the Third International Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems*. Lund, Sweden: Lund University Cognitive Studies Volume 101. ISBN 91-974741-X.

Prince, C. G., Demiris, Y., Marom, Y., Kozima, H., & Balkenius, C. (Eds.) (2002). *Proceedings of the Second International Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems*. Lund, Sweden: Lund University Cognitive Studies Volume 94. ISBN 91-631-2677-X.

## CONFERENCES

Prince, C. G. & Gogate, L. J. (2006). Models of infant development: Are we really serious about environmental interaction and dynamics? ISIS Research Generation Symposium. *International Conference on Infant Studies*. Held June 19-23, Kyoto, Japan.

Prince, C.G., Gogate, L.J., Helder, N. A., & Hollich, G. J. (2006). Epigenetic robotics and environmental interactions and dynamics. In Prince, C.G., & Gogate, L.J. (Symposium Chairs). Models of infant development: Are we really serious about environmental interaction and dynamics? The International Conference for Infant Studies. Held June 19-23, Kyoto, Japan.

Gogate, L. J., Awal, D., & Prince, C. G. (2006). Preterm and full-term infants' invariance detection and vocabulary development: A longitudinal study. Paper presented at The International Conference for Infant Studies. Held June 19-23, Kyoto, Japan.

Hollich, G., Prince, C., Mislivec, E., & Helder, N. (2005). Audiovisual synchrony in infant language learning. Paper presented at the *X International Congress of the International Association for the Study of Child Language (IASCL)*. Berlin, Germany, July 25-29, 2005.

Gogate, L. J. & Prince, C. G. (2005). Is "multimodal motherese" universal? Paper presented at the *X International Congress of the International Association for the Study of Child Language (IASCL)*. Berlin, Germany, July 25-29, 2005.

Prince, C. G., Helder, N. A., & Hollich, G. J. (2005). Ongoing emergence: A core concept in epigenetic robotics. *Proceedings of The Fifth International Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems*, Nara, Japan, July 22-24, 2005 (pp. 63-70). [Acceptance Rate: 33.3%]

Hollich, G. J., Prince, C. G., Mislivec, E. J., & Helder, N. A. (2005). Infant's use of audiovisual synchrony in learning language. Oral presentation made to *The Biennial Conference of the Society for Research in Child Development*. Held at Atlanta, GA, USA, April 7-9, 2005. [Acceptance Rate: 67.7%]

Helder, N. A., Mislivec, E. J., Prince, C. G., & Hollich, G. J. (2005). Ontogenetic design: Infant robots crying out for causal mechanisms and variables. Poster presented to *The Biennial Conference of the Society for Research in Child Development*. Held at Atlanta, GA, USA, April 7-9, 2005. [Acceptance Rate: 78.7%]

- Hollich, G. J., Mislivec, E. J., Helder, N. A., & Prince, C. G. (2004). Are you synching what I'm synching? Modeling infants' real-time detection of audiovisual contingencies between face and voice. Poster presented to *The International Conference on Development and Learning*, La Jolla, CA, 20-22 October 2004.
- Prince, C. G., Hollich, G. J., Helder, N. A., Mislivec, E. J., Reddy, A., Salunke, S., & Memon, N. (2004). Taking synchrony seriously: A perceptual-level model of infant synchrony detection. Proceedings of *The Fourth International Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems*, held at Genoa, Italy, August 25-27, 2004 (pp. 89-96). [Acceptance Rate: 20%]
- Prince, C. G., Helder, N. A., Mislivec, E. J., Ang, B. J., Lim, M. S., & Hollich, G. J. (2003). Taking contingency seriously in sensory-based models of learning in infants. Poster presented at the *2003 Meeting of The Cognitive Development Society*, held at Park City, Utah, USA, October 24-25, 2003.
- Mislivec, E. J. & Prince, C. G. (2003). Auditory classification and representation for a word-learning model. Paper presented at the *17<sup>th</sup> National Conference on Undergraduate Research*, held at the University of Utah, Salt Lake City, Utah, March 13-15, 2003.
- Prince, C. G., Mislivec, E. J., Kosolapov, O. V., & Lykken, T. R. (2002). Towards a theory grounded theory of language. Poster presented at the *International Conference on Development and Learning (ICDL'02)*, MIT, Cambridge, MA.
- Storie, S. J. & Prince, C. (2002). An evaluation of the API for the RatCog spatial behavior simulator. Poster presented at the *16<sup>th</sup> National Conference on Undergraduate Research*, held at the University of Wisconsin-Whitewater, April 25-27, 2002.
- Prince, C. G. & Mislivec, E. J. (2001). Humanoid theory grounding. Poster presented at *The IEEE-RAS International Conference on Humanoid Robots*, held 22 to 24 November, 2001 at Waseda University, Tokyo, Japan.
- Prince, C. G. (2001). Theory grounding in embodied artificially intelligent systems. Proceedings of *The First International Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems*, held Sept 17-18, 2001, in Lund, Sweden. Lund, Sweden: Lund University Cognitive Studies, Volume 85.
- Prince, C. G., Talton, J., Berkeley, I. S. N., & Gunay, C. (2000). RatCog: A GUI maze simulation tool with plugin "rat brains." Paper presented at the *30th Annual Meeting of the Society for Computers in Psychology*, held in New Orleans, LA, November 16, 2000.
- Berkeley, I. S. N., Prince, C., & Gunay, C. (1999). RATNET: Exploring rat navigation with artificial neural networks. Paper presented at the *1999 Southern Society for Philosophy and Psychology Meeting* in Louisville, Kentucky.
- Prince, C. G. (1998). Symmetrical reasoning and representation: A human cognitive specialization? Poster presented at the *Conference on Human Cognitive Specializations: Developmental and Comparative Perspectives*. New Iberia, Louisiana, October 15-18, 1998.

- Prince, C. G. & Flettrich, A. P. (1998). Testing for spatial relational symmetry in rats' "cognitive" maps. Paper presented at the April 1998 meeting of the *Southern Society for Philosophy and Psychology*.
- Prince, C. G. & Kimball, K. A. (1997). Rats, relations, and space: Are rats able to relate one location to another? Paper presented at the *Sigma Xi Student Research Symposium*, University of Southwestern Louisiana, Lafayette, Louisiana, April 30.
- Maida, A. S., Yuen, G. L., & Prince, C. G. (1996). Visualization of neurodynamics in a model for spatial navigation. Proceedings of the *World Congress on Neural Networks*, San Diego, California, September 15-18.
- Yuen, G. L., Maida, A. S., & Prince, C. G. (1996). Neurodynamics of a spatial navigation model with long-term depression. Poster presented at the *World Congress on Neural Networks*, San Diego, California, September 15-18.
- Prince, C. G. & Herman, L. M. (1993). Comprehension of conjunctive rules by a bottlenosed dolphin. Poster presented at the *Tenth Biennial Conference on the Biology of Marine Mammals*, Galveston, Texas, Nov 11-15.
- Reeve, S. H, Pack, A. A., Herman, L. M., & Prince, C. G. (1993). Visual delayed same/different performance and serial probe recognition in the bottlenosed dolphin. Poster presented at the *Ninth Biennial Conference on the Biology of Marine Mammals*, Chicago, Illinois, December 5-9.

## **BOOK REVIEWS**

- Connection Science (2006), Quinlan, P. T. (2003). *Connectionist Models of development: Developmental Processes in Real and Artificial Neural Networks*. Psychology Press, Hove, 2003.
- Minds and Machines (2004), vol. 14, pp. 409-416, Dudek, G. & Jenkin, M. (2000). *Computational Principles of Mobile Robotics*. New York, NY: Cambridge University Press.
- Minds and Machines (2002), vol. 12, No. 1. Brooks, R. A. (1999). *Cambrian Intelligence: The Early History of the New AI*. Cambridge, MA: MIT Press.

## **OTHER PAPERS & TALKS**

- Prince, C. G. (to occur). Invited talk on the Fly by Feel Project to the Blackhawk Soaring Club, March 13, 2009.
- Prince, C. G. and the Fly by Feel Team (2009). The Fly by Feel Project: The experience of soaring like a bird or a bat. *Soaring*, the Journal of the Soaring Society of America. December 2009, Volume 73, Number 12 [invited article].
- Prince, C. G. (2008). Special issue on developmental robotics: Can experiments with machines inform theory in infant development? *Infant and Child Development*, 17, 1-5.

- Prince, C. G. (2008). Epilogue to special issue on developmental robotics: Can experiments with machines inform theory in infant development? *Infant and Child Development*, 17, 81-84.
- Prince, C. G. (2007). SAILPLANES: An Introduction to Soaring. Community Education Course Presentation made at Ordean Middle School, Duluth, MN. Sept. 25, 2007.
- Prince, C. G. & Campobasso, P. (2007). Sailplanes and the Osceola airport. Presentation to Osceola High School class. May 8, 2007.
- Prince, C. G. & Helder, N. A. (April, 2007). Reply to dialog: Measuring skill stability and integration in developing robots. AMD Technical Committee Newsletter Vol. 4, No. 1.
- Balkenius, C. & Prince, C. G. (2006). *Tutorial: Featural processing of auditory and visual inputs for epigenetic robots*. Tutorial presented at EpiRob06 in Paris, France.
- Prince, C. G. (2005). *Epigenetic robotics & modeling audio-visual integration*. Invited talk presented at Temple University, Ambler Campus Infant Lab, March 22, 2005.
- Prince, C. G. (2004). *Synchronizing robot behavior and learning with babies*. Presentation to the UMD Honors Undergraduate Program, Tuesday, November 2, 2004.
- Prince, C. G. (2004). *Core concepts in epigenetic robotics and a model of infant synchrony detection*. Invited talk, Artificial Intelligence Laboratory, Department of Informatics, University of Zurich, Zurich, Switzerland. August 23, 2004.
- Prince, C. G. (2004). *Synchrony detection as a basis for infant behavior in robots*. Invited Colloquium, Bryn Mawr College, Department of Computer Science, May 20, 2004.
- Prince, C. G. (2004). *Robots that behave like babies*. University of Minnesota Duluth, Math Department Colloquium, April 29, 2004.
- Prince, C. G. & Berthouze, L. (2004). Conference report: Third international workshop on epigenetic robotics (EpiRob03). *Interaction Studies: Social Behaviour and Communication in Biological and Artificial Systems*, 5(1), 155-159.
- Prince, C. G. & Demiris, Y. (2003). Editorial: Introduction to the special issue on Epigenetic Robotics. *Adaptive Behavior*, 11(2), 75-77.
- Berthouze, L. & Prince, C. G. (2003). Introduction: The third international workshop on epigenetic robotics. In *Proceedings of the Third International Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems*. Lund, Sweden: Lund University Cognitive Studies.
- Prince, C. G. (2003). *Developmental robotics in its infancy: Some results and future directions*. Invited talk presented at Temple University, Ambler Campus Infant Lab, July 16, 2003.

- Prince, C. G. (2002). Introduction: The second international workshop on epigenetic robotics. In *Proceedings of the Second International Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems*. Lund, Sweden: Lund University Cognitive Studies Volume 94.
- Prince, C. G. (2002). *Towards robots that develop concepts*. Invited Talk presented at the Department of Computer Science, University of Essex, August 1, 2002.
- Prince, C. G. (2001). Artificial intelligence: Applications and cognitive science. Invited talk presented at NTC *Techies Day 2001*, October 12, Technology Village, Duluth, MN.
- Prince, C. G. (2001). *Computational modeling of rats and infants: Goals, tools, and results*. Invited talk presented at *Temple University, Ambler Campus Infant Lab*, July 12, 2001.
- Lynch, M. S. & Prince, C. G. (2001). Eprints at UMD. Poster presented at *TechFest 2001*, University of Minnesota Duluth, March 23, 2001.
- Prince, C. G. (2001). Simulating rats on mazes: Why, how, and when. *Colloquium presentation to the University of Minnesota Duluth Psychology Department*. March 8, 2001.
- Prince, C. G. & Lynch, M. S. (2001). Eprints at UMD: Enhancing the peer reviewed publication process. *Seminar given to the University of Minnesota Duluth Subcommittee on Information Technology and Library*. January 29, 2001.
- Berkeley, I. S. N., Prince, C. G., & Gunay, C. (2000). RATNET: Exploring rat navigation with artificial neural networks. Invited talk given at Washington University in St. Louis, November, 2000.

## CONFERENCE ORGANIZING

- Prince, C. G. (general chair & treasurer). *The Seventh International Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems*. Held 5-7 November, 2007 at Rutgers University, Piscataway, NJ.
- Prince, C. G. (organizing committee member). *The Sixth International Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems*, held at Hopital de la Salpetriere, Paris, France, September 20-22, 2006.
- Prince, C. G. (organizing committee member). *The Fourth International Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems*, held at LIRA-Lab, University of Genoa, Genoa, Italy, August 25-27, 2004.
- Prince, C. G. (general chair). *The Third International Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems*, held at Boston University, Boston, MA, August 4-5, 2003.
- Prince, C. G. (general chair). *The Second International Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems*, held at the University of Edinburgh, Scotland, August 10-11, 2002.

## INTERNAL GRANTS

- Undergraduate Research Opportunity Grant. *Impact of Replacement of Aural Representations With Touch-based Representations on Complex Tasks*. Student: Keith Butler. Faculty: C. G. Prince and R. Lloyd. Spring 2009.
- Undergraduate Research Opportunity Grant. *Fly by Feel: Air Actuator System*. Student: Nabil Cheikh. Faculty: C. G. Prince. Summer and Fall 2009.
- Undergraduate Research Opportunity Grant. *Air Flow Measuring Sensor Array for a Sailplane Wing: Hardware*. Student: Usama Nasir. Faculty: C. G. Prince. Summer and Fall 2009.
- Undergraduate Research Opportunity Grant. *Air Flow Measuring Sensor Array for a Sailplane Wing: Software*. Student: Sonja Foss. Faculty: C. G. Prince. Summer 2009.
- UMD Small Grant. *Hardware for Developing a 64 Motor Tactile Feedback System*. \$738. October 2009.
- Undergraduate Research Opportunity Grant. *Tactile Feedback For A Sailplane Pilot Giving Wing Air Conditions: Micro Fan Sleeves*. Student: Matthew L. Wronski; Faculty: C. G. Prince and P. Weber. Summer 2008.
- Undergraduate Research Opportunity Grant. *Tactile Feedback For A Sailplane Pilot Giving Wing Air Conditions: Commercial Vest*. Student: David M. Sebesta; Faculty: C. G. Prince. Summer 2008.
- Undergraduate Research Opportunity Grant. *Tactile Feedback For A Sailplane Pilot Giving Wing Air Conditions: Vibration Motor Sleeves*. Student: Jordan Parrott; Faculty: C. G. Prince and P. Weber. Summer 2008.
- Undergraduate Research Opportunity Grant. *A Developmental Cochlea Model*. Student: Eric J. Mislivec; Faculty: C. G. Prince. Spring 2006.
- Undergraduate Research Opportunity Grant. *Computational Analysis of Arbitrary and Amodal Sensory Relations*. \$1400. Student: J. Woodward; Faculty: C. G. Prince. Spring 2005.
- UMD Small Grant. *Multimedia Hardware to Support Course Projects & Labs*. \$630. October 2004.
- Undergraduate Research Opportunity Grant. *Detecting Environmental Synchrony Using a Robotic Camera: Hardware-Software Interfacing*. Student: N. Memon; Faculty: C. G. Prince. Spring 2004.
- Undergraduate Research Opportunity Grant. *Detecting Environmental Synchrony Using a Robotic Camera: Hardware Development*. Student: T. Pollak; Faculty: F. Rios-Gutierrez & C. G. Prince. Spring 2004.
- Single Semester Leave, University of Minnesota. *Contingency Based Developmental Algorithms*. Spring 2004.
- UMD Small Grant. *A Robotic Camera Controller with Feedback Sensors*. \$550. October 2003.

Undergraduate Research Opportunity Grant. *Audio-Visual Synchrony for Face Location and Segmentation*. \$1,400. Student: E. J. Mislivec; Faculty: C. G. Prince. Summer 2003.

Center for Cognitive Sciences Mini-Grant. *Perceptually-based Artificial Neural Network Models of Infant Word Learning*. \$1000. Summer 2002.

Undergraduate Research Opportunity Grant. *Audio Feature Analysis and Classification for a Theory Grounding System*. \$1,700. Student: E. J. Mislivec; Faculty: C. G. Prince. Summer 2002.

Undergraduate Research Opportunity Grant. *A Scripting Extension to the RatCog Spatial Behavior Simulator*. \$1,700. Student: A. Reichow; Faculty: C. G. Prince. Spring 2002.

Undergraduate Research Opportunity Grant. *An Evaluation of the API for the RatCog Spatial Behavior Simulator*. \$1,700. Student: S. Storie; Faculty: C. G. Prince. Summer 2001.

UMD Small Grant. *Lego Robotic Systems for Projects for Artificial Intelligence Courses*. \$1,250. October 2000.

## DONATIONS

Donation from Digi-Key Corporation, for the purchase of a laptop computer to support robotics research. \$3009. Spring 2004.

## GRADUATE STUDENTS

V. K. Kovelamudi (Expected: Spring, 2011). Masters Thesis Title: *Impact of tactile feedback in enhancing the sailplane pilot's command and flying experience*.

P. Kulkarni (July, 2009). Masters Thesis Title: *Simulating Wing-Sensors on a Sailplane Airfoil To Evaluate Usefulness For Pilot Feedback*.

A. S. Dharasurkar (Summer, 2008). Masters Project Title: *Further Evaluation of the Gogate et al Audio-visual Synchrony Detection Algorithm*.

A. Reddy (Spring, 2006). Masters Project Title: *Analysis of Synchronous and Asynchronous Video using the SenseStream Program*.

S. Salunke (Summer, 2005). Masters Thesis Title: *Comparing Synchrony Detection Algorithms for Robotic Self-Other Discrimination*.

K. Vuppla (Spring, 2004). Masters Thesis Title: *Evaluation of Two Synchrony Detection Implementations*.

O. Kosolapov (Fall, 2003). Masters Thesis Title: *The Effects of Category Information on Association Learning Tasks in Neural Network Models*.

J. K. Nath (Summer, 2003). Masters Project Title: *Modeling and Behavior Programming Language Design in a Rat Maze Simulator*.

## **OTHER RESEARCH ADVISEES**

N. Helder; April 2003 to Spring 2007; KidCause project; Research Assistant (no formal student status).

E. J. Mislivec; February 2001 to Spring 2007; RatCog and KidCause projects. Undergraduate Research Assistant.

S. Grosen; February 2006 to May 2006; Completion of implementation of Slaney & Covell (2001) algorithm.

A. Uduwage; January 2006 to April 2006; Epigenetic robotics directed research course.

J. Williford; November 2005 to August 2006; KidCause project; Co-supervision of former Purdue CS student implementing-- Camus optical flow module for IKAROS.

J. Woodward; April 2004 to October 2005; KidCause project; Undergraduate Research Assistant.

S. Dib; April 2004 to Jan 2005; KidCause project; Highschool Research Assistant.

CS 4531 Spring 2004 class; AV-Detect Project, Co-supervised with Tim Colburn and Nathan Helder.

B. Ang & M. Lim; June 2003 to Jan 2004; Ateneo de Manila University, Manila, Philippines; Co-Supervision of Undergraduate Thesis Projects.

N. Helder (Spring, 2003). Project Title: *A Real-Time, Computational Model of Perceptually-Based Contingent Behavior Detection*. Undergraduate Honors Project, UMD.

T. Lykken; September 2001 to May 2002; KidCause project.

## **EDITORIAL BOARD**

July 2003 – December 2006; Associate Editor, International Journal of Humanoid Robotics.

Jan 2007 – February 2009; Associate Editor, International Journal of Humanoid Robotics.

## **JOURNAL, CONFERENCE & OTHER REVIEWS**

Adaptive Behavior;

Journal of Comparative Psychology (2000);

Second International Conference on Development and Learning (ICDL '02);

2003 Cognitive Science Society Conference;

Epigenetic Robotics Workshop 2002, Epigenetic Robotics Workshop 2003, Epigenetic Robotics

Workshop 2004, Epigenetic Robotics Workshop 2005; Epigenetic Robotics Workshop 2006;

Swarthmore College, Swarthmore, PA; Honors Program Examiner, Computer Science Department, Spring 2004;

Review Panel for the EpiRob04 Special Issue of Cognitive Systems Research Journal;

Imitation and Social Learning in Robots, Humans and Animals: Behavioural, Social and Communicative Dimensions (Chapter in book);  
Review Panel for the EpiRob04 Special Issue of Interaction Studies: Social Behaviour and Communication in Biological and Artificial Systems;  
Review Panel for the Developmental Robotics Special Issue of Neurocomputing (2005);  
Review Panel for Special Issue of IEEE Transactions on Evolutionary Computation (2005);  
International Journal of Humanoid Robotics (2005);  
5th International Conference on Development and Learning (ICDL '06; 2006);  
Transactions on Industrial Electronics (2006);  
Review Panel for Special Issue of Developmental Science (2006);  
Review Panel for Special Issue of Adaptive Behavior (2006);  
6th International Conference on Development and Learning (ICDL '07; 2007);  
International Journal of Humanoid Robotics (2007).

### **AFFILIATIONS**

April 2004 – March 2008; Affiliated Faculty, Florida International University, Infant Development Research Center