

Curriculum Vitae

Personal Details

Name: István S. N. Berkeley.

Contact

Department of History, Geography and Philosophy,
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Education

Ph.D. in Philosophy, The University of Alberta, Canada (1997). Dissertation Title: "On Connectionism". **AOS:** Philosophy of Cognitive Science/Philosophy of Mind. **AOC:** History of Modern Philosophy, Epistemology, Philosophy of Science, Philosophy of Language.

MA in Philosophy, The University of Alberta, Canada (1990). Thesis Title: "On Vagueness".

B.A. (Hons) in Philosophy, The University of Leeds, England (1987). Thesis Title: "Mystical Philosophy".

The Oratory School, Woodcote, England. 1975-1982.

Grants and Awards

J. Thomas Hamrick Award for Exemplary Contributions on Behalf of Academic Freedom, presented by the Louisiana State Conference of The American Association of University Professors, Apr. 2010.

Co-Principle Investigator, Louisiana State Board of Regents Support Fund (Traditional Enhancement Program), grant entitled, "Traditional Access to Tomorrow's Americas", Contract Number LEQSF(2006-07)-ENH-TR-75, June 2006-07, \$93,000.

Principal Investigator, Louisiana State Board of Regents Support Fund (Research Competitiveness Sub-Program), grant entitled "The Artificial Neural Network Analysis Project" (ANNAP), Contract Number LEQSF(1998-01)-RD-A-35, June 1998-01, \$106,000.

Andrew Stewart Memorial Graduate Prize (awarded "in recognition of excellence in research"), Apr. 1995.

GRA Rice Graduate Scholarship in Communications, Oct. 1994 to Sept. 1995.

Gold Key Award, Awarded by the University of Alberta Gold Key Society, Apr. 1991.

Employment Summary

Professor of Philosophy, from Aug. 2020.

Associate Professor, Philosophy Program and The Institute of Cognitive Science, The University of Louisiana at Lafayette, from Aug. 2002.

Assistant Professor, The Institute for Cognitive Science, The University of Louisiana at Lafayette, Mar. 1999 to July 2002.

Adjunct Professor, The Center for Advanced Computer Studies, The University of Louisiana at Lafayette, from Fall 1998.

Assistant Professor, Philosophy Program, The University of Louisiana at Lafayette, May 1997 to July 2002.

Lecturer, Philosophy Program at The University of Southwestern Louisiana, Aug. 1996 to May 1997.

Research Assistant and Teaching Assistant positions, Departments of Philosophy, Psychology and Computer Science, University of Alberta, Jan. 1989 to Aug. 1996.

Publications

I. S. N. Berkeley, (2020), “AI: A Crowd-Sourced Criterion. A Commentary on Pei Wang’s On Defining Artificial Intelligence” in *Journal of Artificial General Intelligence*, 11(1), pp. 1-3. DOI: 10.2478/jagi-2020-0001

I. S. N. Berkeley, (2019), “The Curious Case of Connectionism”, *Open Philosophy*, 2/1, pp. 190 – 205. <https://doi.org/10.1515/opphil-2019-0018>

I. S. N. Berkeley, (2018), “A Computational Conundrum: ‘What is a Computer?’ A Historical Overview”, *Minds and Machines*, Vol. 28, No. 3, pp. 375 – 383.
DOI: 10.1007/s11023-018-9475-4

I. S. N. Berkeley and C. Rice, (2013), “Machine Mentality?”, Ed. Vincent C. Müller, *Theory and Philosophy of Artificial Intelligence*, SAPERE/Springer (Berlin), pp. 1-15.

I. S. N. Berkeley and R. B. Raine, (2011), “An Old Fashioned Connectionist Approach to a Cajun Chord Change Problem”, *Connection Science*, Vol. 23, No. 3, pp. 209-- 218, (DOI: 10.1080/09540091.2011.597500).

I. S. N. Berkeley, (2008), “CajunBot: A Case Study of an Embodied System”, in P. C. Garzon and A. Gomila (Eds.), *The Elsevier Handbook of Embodied Cognitive Science*, Elsevier Ltd. (Oxford), pp. 81-98.

I. S. N. Berkeley (2008), “What the <0.70, 1.17, 0.99, 1.07> is a Symbol?”, *Minds and Machines*, Vol. 18, No. 1, pp. 93-105.

I. S. N. Berkeley (2006), “Moving the Goal Posts: A Reply to Dawson and Piercey” in *Minds and Machines*, Vol. 16, pp. 471-478.

B. A. Rowland, A. S. Maida and I. S. N. Berkeley, (2006), "Synaptic Noise as a Means of Implementing Weight-Perturbation Learning", in *Connection Science*, Vol. 18, No. 1, pp. 69-79.

I. S. N. Berkeley and C. Gunay, (2004), "Conducting Banding Analysis with Trained Networks of Sigmoid Units" in *Connection Science*, Vol. 16, No. 2, pp. 119-128.

I. S. N. Berkeley, (2003), "Computer Communication with Students: The Bad, The Ugly and The Good." in *The American Philosophical Association Newsletter on Computers and Philosophy*, (Fall Issue).

I. S. N. Berkeley, (2003), "Vagueness, Natural Language and Logic", *Eidos*, Vol. XVII, No. 2, pp. 81-98. [N.B. This is a reprint of Berkeley (1990), with a retrospective introduction, selected for the 25th Anniversary Issue of the journal].

I. S. N. Berkeley, (2002), "Gilbert Ryle and the Chinese Skeptic: Do Epistemologists need to know how to?," in *The Electronic Journal of Analytic Philosophy*, Vol. 7, Special Issue on The Philosophy of Gilbert Ryle, (Ed. A. Chemero). Available at <http://ejap.louisiana.edu/EJAP/2002/Berkeley.pdf>

I. S. N. Berkeley, C. Gunay, and A. Maida, (2000), "The Value of Value Units: A Flawed Foray into Non-Monotonicity", in C. Dagli, A. Buczak, J. Ghosh, M. Embrechts, O. Ersoy and S. Kercel, (Eds.), (2000), *Intelligent Engineering Through Artificial Neural Networks, Vol. 10, Smart Engineering System Design: Neural Networks, Fuzzy Logic, Evolutionary Programming, Data Mining and Complex Systems*, ASME Press (New York), pp. 127-132.

I. S. N. Berkeley, (2000), "What the #\$*%! Is a Subsymbol?" in *Minds and Machines*, Vol. 10, No. 1, pp. 1-13.

I. S. N. Berkeley, (2000), "Knowing How To p ", in *Memory: Past and Future*, (Ed., L. Pyenson), The Graduate School of the University of Louisiana at Lafayette, pp. 14-24.

I. S. N. Berkeley, (2000), "Some Counter-Examples to Page's Notion of 'Localist'", a commentary upon "Connectionist Modeling in Psychology: A Localist Manifesto", by M. Page, in *Behavioral and Brain Sciences*, Vol. 23, No. 2, pp. 470-471.

P. J. Hayes, I. S. N. Berkeley, S. Bringsjord, V. Hartcastle, G. McKee and R. Stufflebeam, (1997), "What is a computer? An electronic discussion" in *The Monist*, Vol. 80, No. 3, pp. 389-404.

I. S. N. Berkeley, (1997), "A Strategy for Handling Type-2 Problems" in *The Proceedings of the Cognitive Science Society Annual Conference*, pp. 1101.

M. Dawson, D. Medler, and I. S. N. Berkeley, (1997), "PDP Networks Can Provide Models That Are Not Mere Implementations of Classical Theories" in *Philosophical Psychology*, Vol. 10, No. 1, pp. 25-40.

I. S. N. Berkeley, (1997), "Taming Type-2 Tigers: A Non-monotonic Strategy" commentary upon "Trading Spaces: Computation, Representation, and the Limits of

Uninformed Learning”, by A. Clark and C. Thornton, in *Behavioural and Brain Sciences*, Vol. 20, No. 1, pp. 66-67.

I. S. N. Berkeley, (1997), "Connectionism, Tri-Level Functionalism and Causal Roles", in *Two Sciences of The Mind: Readings in Cognitive Science and Consciousness*, Ed. S. O'Nuallain, P. McKeivitt and E. Mac Aogain, John Benjamins (Amsterdam), pp. 219-231.

I. S. N. Berkeley, M. R. W. Dawson, D. A. Medler, D. P. Schopflocher and L. Hornsby, (1995), "Density Plots of Hidden Unit Activations Reveal Interpretable Bands", in *Connection Science*, Vol. 7, No. 2, pp. 167-186.

F. J. Pelletier and I. S. N. Berkeley, (1995), "Vagueness" in *The Cambridge Dictionary of Philosophy*, Ed. R. Audi, Cambridge U.P., pp. 825-827. Available at <https://sites.ualberta.ca/~francisp/papers/VagueDictionary.pdf>

M. R. W. Dawson, I. S. N. Berkeley, D. A. Medler & D. P. Schopflocher, (1994), "Density plots of hidden value unit activities reveal interpretable bands and microbands." In B. MacDonald, R. Holte, and C. Ling (Eds.) *Proceedings of the Machine Learning Workshop at AI/GI/VI'94*. pp.iii-1 -iii-9. University of Calgary Press (Calgary, AB).

M. R. W. Dawson and I. S. N. Berkeley, (1993), "Making a Middling Mousetrap", commentary on "From Simple Associations to Systematic Reasoning" by L. Shastri and V. Ajjanagadde, in *Behavioural and Brain Sciences*, Vol. 16, No. 3, pp. 454-455.

I. S. N. Berkeley, (1990), "Vagueness, Natural Language and Logic", in *Eidos* Vol. IX, No. 1, pp. 49-65.

Book Reviews

G. Marcus, (2001), *The Algebraic Mind: Integrating Connectionism and Cognitive Science*, MIT Press (Cambridge, MA), in *Philosophical Psychology*, Vol. 15 No. 2, (2002), pp. 206-208.

Novak, P. (1997), *Mental Symbols: A Defence of the Classical Theory of Mind*, Studies in Cognitive Systems 19, Kluwer Academic Publishers (Dordrecht) in *Minds and Machines*, Vol. 11 No. 1, (2001), pp. 148-150.

Baumgartner, P. and Payr, S. (Eds.), (1995), *Speaking Minds: Interviews with Twenty Eminent Cognitive Scientists*, Princeton U. P. (Princeton, NJ), in *Minds and Machines*, Vol. 6, No. 2, (1996), pp. 273-276.

S. Functowicz and J. Ravetz, (1990), *Uncertainty and Quality in Science for Policy*, Kluwer Academic (Dordrecht), in *Dialogue*, in Vol. XXXII, No. 4, (1993), pp. 837-840.

R. M. Martin (1991), *The Philosopher's Dictionary*, Broadview Press (Scarborough, Ont.), in *Canadian Philosophical Review of Books*, Vol. XII, No. 4, (1992), pp. 280-282.

Other Publications

I. S. N. Berkeley, (2004), "Some Specific Concerns About The November 2nd 2004 Election" available at <http://www.ucs.louisiana.edu/~isb9112/election/>

I. Berkeley, C. Gunay, and V. Sekhri, (2002), "Visualizing Hidden Unit Solutions in Low-Dimensional Artificial Neural Networks: A Prolegomena to an Extended Banding

Analysis” in *Mind and Matter: Papers from the Cognitive Science Colloquium, Fall 2001*, The Institute of Cognitive Science, The University of Louisiana at Lafayette, pp. 1-14.

I. S. N. Berkeley, (1998), “Connectionism Reconsidered: Minds, Machines and Models”, in *The Cogprints Archive*, available at <http://cogprints.ecs.soton.ac.uk/archive/00001975/>

R. Michaels, I. S. N. Berkeley, and A. Friedrich, (1997), “Applications and Resources in Parallel Distributed Processing”, Industry Canada.

I. S. N. Berkeley, (1998), "How to Write a Philosophy Paper", in *Critical Ethics: A Manual for Biomedical Ethics*, Ed. J. McLaughlin, Published by the University College of Cariboo.

I. S. N. Berkeley, (Nov. 1997), “What is AI?” in *The Scoop E-Magazine*, of the “On Computing” Radio show, MSN Computing. available at <http://www.ucs.louisiana.edu/~isb9112/dept/phil341/wisai/WhatisAI.html>

I. S. N. Berkeley, (1997), “Some Myths of Connectionism”, available at <http://www.ucs.louisiana.edu/~isb9112/dept/phil341/myths/myths.html>

I. S. N. Berkeley, (1997), “A Revisionist History of Connectionism”, available at <http://www.ucs.louisiana.edu/~isb9112/dept/phil341/histconn.html>

I. S. N. Berkeley, (1997), “What is Connectionism?”, available at <http://www.ucs.louisiana.edu/~isb9112/dept/phil341/wisconn.html>

Software

Forager 1.0, (July, 2016). [This software simulates an animal foraging in an environment, and is designed for teaching programming and cognitive modeling.]. Available from;

- <https://sourceforge.net/projects/forager1-0/?source=directory>
- <https://github.com/istvanberkeley/Forager> and
- https://www.mathworks.com/matlabcentral/fileexchange/58322-istvanberkeley-forager?s_tid=srchtitle

Conference Presentations (Refereed)

I. S. N. Berkeley, (2022), “The New Problem of Other Minds”, presented at the Deep South Philosophy and Neuroscience at The Gulf V, September, 22-24, at the Pensacola Beach Hilton.

I. S. N. Berkeley (2018) "Are So-Called 'Artificial Neural Network' Systems (ANNs) Really Neural?" presented at Deep South Philosophy and Neuroscience Workshop, September 28-29, at the Pensacola Beach Hilton.

I. S. N. Berkeley, “Machine Mentality?”, presented at The Philosophical Theory and Artificial Intelligence Conference, Thessaloniki, Greece, Oct. 2011. (Delivered via compressed video link)

R. B. Raine and I. S. N. Berkeley, “Generating a Geno? -- An Old-Fashioned Neural Network Approach to a Cajun and Creole Chord Change Conundrum”, presented at the 9th Annual Auditory Perception, Cognition, and Action Meeting, St. Louis, Missouri,

Nov. 2010.

I. S. N. Berkeley, "Embodied Cognition: How New Is The Idea Really?", presented at Cognition: Embodied, Embedded, Enactive, Extended – An Interdisciplinary Conference, The University of Central Florida, Oct. 2007.

I. S. N. Berkeley, "Technocracy and Tyranny" at The International Conference on Technology, Knowledge and Society, Berkeley, California, Feb. 2005, (not attended).

I. S. N. Berkeley and D. Dedrick, "Finding kinds and modeling abduction: new implications for old-style connectionist networks", presented (1) as a full paper at The First Joint Conference of the SPP and EuroSPP, Barcelona, July 2004 and (2) The British Society for the Philosophy of Science Annual Conference, Canterbury, July 2004.

I. S. N. Berkeley, C. Gunay and A. Maida "The Value of Value Units: A Flawed Foray into Non-Monotonicity" presented at the Artificial Neural Networks in Engineering 2000 conference, St. Louis, Nov. 2000.

C. G. Prince, J. Talton, I. S. N. Berkeley and C. Gunay, "RatCog: A GUI maze Simulation Tool with Plugin 'Rat Brains' " presented at The Society for Computers in Psychology, Thirtieth Annual Meeting, New Orleans, Nov. 2000.

I. S. N. Berkeley, C. G. Prince and C. Gunay, "RATNET: Exploring Rat Navigation with Artificial Neural Networks" presented at The Southern Society for Philosophy and Psychology Conference, Louisville, Kentucky, Apr. 1999.

I. S. N. Berkeley, "Connectionism Reconsidered: Minds, Models and Machines", presented at The Society for Exact Philosophy Conference, Athens GA, May 1998.

I. S. N. Berkeley, "What the #\$*%! is a Subsymbol?" presented at (1) The Society for Exact Philosophy Conference, Montreal, May 1997 and (2) The Louisiana Philosophy Convention, Baton Rouge, Oct. 1997.

I. S. N. Berkeley, "Connectionism, Tri-Level Functionalism and Causal Roles" presented at The Western Canadian Philosophical Association Conference, held in Calgary, Oct. 1995.

I. S. N. Berkeley, "Two Myths of Connectionism" presented at The Canadian Philosophical Association Conference, in Montreal, June 1995.

D. A. Medler, I. S. N. Berkeley, M. R. W. Dawson, and D. P. Schopflocher, "Finding featural interpretations within a connectionist network", presented at The Canadian Society for Brain, Behaviour, and Cognitive Sciences Conference, Vancouver, 1994.

I. S. N. Berkeley, M. R. W. Dawson, D. A. Medler, D. P. Schopflocher, E. Panasiuk and M. MacIssac, "Interpreting Hidden value Unit Activations", presented at Canadian AI, 1994.

I. S. N. Berkeley, "Gilbert Ryle and the Chinese Sceptic: Do Epistemologists Need To Know How to?", presented at (1) The National Graduate Students' Conference, at Washington University in St. Louis, Oct. 1993 and (2) The Canadian National Graduate Student Conference in Philosophy at The University of Western Ontario, Mar. 1994.

I. S. N. Berkeley, "Logic and Connectionism" presented at The Western Canadian Philosophical Association conference, in Saskatoon, Oct. 1992.

Invited Presentations

I. S. N. Berkeley, (2019), "Are Alexa and Friends Smart?" presented to The Circle of Sophia.

I. S. N. Berkeley, "Hiring, Firing, and Re-Hiring on Louisiana Campuses", presented at Joint Meeting of Association of Louisiana Faculty Senates and Louisiana Statewide Colleagues Collaborative. Louisiana State University in Alexandria, Dec. 2012.

I. S. N. Berkeley, "Machine Mentality?" presented as the conference keynote address at The Philosophy Conference, Louisiana State University, Apr. 2011.

I. S. N. Berkeley, 'Embodied and Extended Cognition as Empirical Hypotheses', at Symposium on "Could we imagine cognitive science without embodied, distributed and extended cognition?", Workshop on Embodied, Distributed and Extended Cognition, Universitat Autònoma de Barcelona, Mar. 2011, (Delivered via Skype)

I. S. N. Berkeley, 'The Cognitive Sciences and Traditional Music', at "An Academic Roundtable on the Future of Traditional Music Research", The School of Music, University of Louisiana at Lafayette. Mar. 2011.

I. S. N. Berkeley, "A Hermeneutic Proposal for Avatars and Virtual Worlds", presented at سلسلة الحلقات البحثية لأكاديمية الفكر الجماهير ["The Research Seminars of the Jamahiri Thought Academy"], Tripoli, Libya, Sept. 2010. (Delivered via Skype).

I. S. N. Berkeley, "Modern Masks: The Socio-Psychology of Avatars", presented at, (1) The Institute for Intelligent Systems Cognitive Science Seminar Series, The University of Memphis, Mar. 2010. (2) The Philosophy Department, Louisiana State University, Dec. 2010,

I. S. N. Berkeley, "A Philosophical Parturition: A Brief History of Mind", Philosophy, Louisiana State University, Nov. 2008.

I. S. N. Berkeley, "CajunBot: A Case Study of an Embodied System" presented at the Embodying Cognition: Towards an Integrated Approach meeting in Palma, Mallorca (Spain), Dec. 2006.

I. S. N. Berkeley, "Machine Mentality?" presented at the Mind and Matter Colloquium Series, The Institute of Cognitive Science, The University of Louisiana at Lafayette, Oct. 2005.

I. S. N. Berkeley, "Studying Synthetic Understanding", presented at the "Music, Understanding and Art: Mixing Cajun Music, Cognitive Science and Phenomenology" Seminar at The University of Houston, Sept. 2004.

I. S. N. Berkeley, "E-Publishing -- Past, Present and Future: A Personal View from the Front Lines", presented to the staff of The Edith Garland Dupree Library, The University of Louisiana at Lafayette, Feb. 2003.

I. S. N. Berkeley, C. Gunay and V. Sekhri, "'A Band on Slope': Conducting Banding Analysis on Networks of Trained Sigmoid Units", presented at the Mind and Matter Colloquium Series, The Institute of Cognitive Science, The University of Louisiana at Lafayette, Nov. 2001.

I. S. N. Berkeley, and V. Sekhri, "What the $\langle 0.70, 1.17, 0.99, 1.07, 0.33 \rangle$ is a Symbol?" presented at (1) The University of Louisiana, Physics Department Seminar Series, Sept. 2003 and (2) Concordia University, Montreal, Apr. 2001.

I. S. N. Berkeley, "Connectionism Reconsidered: Minds Models and Machines" presented at (1) The University of Quebec at Montreal, Apr. 2001, (2) The Carleton University Cognitive Science Distinguished Speaker Series, Ottawa, Sept. 1998 and (3) The Cognitive Science Colloquium Series of the Cognitive Science Group, The University of Southwestern Louisiana, Dec. 1997

I. S. N. Berkeley, C. G. Prince and C. Gunay, "RATNET: Exploring Rat Navigation with Artificial Neural Networks" presented at (1) Washington University in St. Louis, Nov. 2000 and (2) The Mind and Matter Colloquium Series, The Institute of Cognitive Science, The University of Louisiana at Lafayette. Sept. 1999.

I. S. N. Berkeley, A. Maida, and C. Gunay, "The Dots and Plots of The ANNAP Gaussian Band: Towards an Understanding of Banding in Feed-Forward Neural Networks" presented at The Institute of Cognitive Science Colloquium Series at The University of Louisiana at Lafayette, Fall 1999.

I. S. N. Berkeley, "A Meditation on Knowing How To p " presented at "Memory" The University of Louisiana at Lafayette Graduate School Colloquium, Fall 1999.

I. S. N. Berkeley, "Two Myths of Connectionism" presented at the Cognitive Science Colloquium Series of the Cognitive Science Group, the University of Southwestern Louisiana, Nov. 1998.

I. S. N. Berkeley, "What the $\langle 0.70, 1.17, 0.99, 1.07, 0.33 \rangle$ is a Symbol?" presented at the Cognitive Science Colloquium Series of the Cognitive Science Group, the University of Southwestern Louisiana, Apr. 1998.

I. S. N. Berkeley, "St. Augustine on 1000 Computers: The PHILOSOP List' presented at the Computing and Philosophy Conference, Carnegie Mellon University, Aug. 1997.

I. S. N. Berkeley, "Connectionist 'Goo': Network Interpretation and Cognitive Theorising" presented at the Cognitive Science Colloquium Series of the Cognitive Science Group, The University of Southwestern Louisiana, Feb. 1996.

I. S. N. Berkeley, "Connectionist Myths and Connectionist Mechanisms" presented to the Department of Philosophy, The University of Illinois at Urbana-Champaign, Jan. 1996.

I. S. N. Berkeley, "Finding Rules in the 'Goo': Interpreting a Backpropagation System" presented to a Special Colloquium at The University of Western Ontario, Mar. 1994, (Sponsored by UWO Computer Science Dept.).

I. S. N. Berkeley and M. R. W. Dawson, "Predicates in Your Porridge?: Interpreting Connectionist 'Goo'", presented at Philosophy, Neuroscience and Psychology (PNP) Work-In-Progress Seminar, at Washington University in St. Louis, Oct. 1993.

Posters

R. B. Benoit, and I. S. N. Berkeley, "Sliding windows, Cajun music, and Representation: An Artificial Neural network investigation", presented at APCAM conference, Houston, Texas, Nov. 2006.

I. S. N. Berkeley, "A Connectionist Cajun Chord Changer", presented at The University of Houston Scholarship and Community Conference XI, "Bringing Science to Life, A Conversation with Oliver Sacks and Others", Houston, Oct. 2003.

Workshop Presentations

I. S. N. Berkeley, "Network Goo: The Bands, The Rules, The Consequence" presented at the "Connectionism for Cognitive Scientists" Workshop, Ottawa, May 1996.

I. S. N. Berkeley and M. R. W. Dawson, "How to Interpret Networks of Trained Value Units", presented at the First International Summer Institute in Cognitive Science at SUNY at Buffalo, Participant Workshop on Connectionism, July 1994.

Participant (and co-organiser) in "Cyberphilosophy, Virtual Reality and Instructional Technology" workshop, presented at The Canadian Philosophical Association Conference, in Calgary, June 1994.

I. S. N. Berkeley, "Logic and Representation in Multilayer Perceptrons", presented to the workshop on Connectionism at the Artificial Intelligence and Study of Behavior Conference (AISB '93), at Birmingham (UK), Mar. 1993.

Commentaries at Conferences

On Ontologically Challenged Adversaries: Comments on John Bickle's "Reductionism versus Enactivism in the Philosophy of Mind, Part I: A Challenge for Enactivists", at The Mid-South Philosophy Conference, at The University of Memphis, Feb. 2007.

Commentary upon "Doxastic Capacity, Linguistic Structure and Implicit Belief", by Susan Dwyer at The Canadian Philosophical Association Conference, at Carleton University, Ottawa, May 1993.

Commentary upon "Foundationalism After Justification" by S. Downes, at The Canadian Graduate Students' in Philosophy conference, at The University of Alberta, 1991.

Courses Taught

The Philosophy of Cognitive Science (500 level) Institute of Cognitive Science, The University of Louisiana at Lafayette

Computational Issues in Cognitive Science (500 level) Institute of Cognitive Science, The University of Louisiana at Lafayette

The Philosophy of Mind (500 level) Institute of Cognitive Science, The University of Louisiana at Lafayette

Topics in Mind and Cognition (300 level), The University of Louisiana at Lafayette

Topics: Language and Mind
 Connectionism and Theories of Mind and Cognition
 Minds and Models
 The Philosophy of Cognitive Science
 The Philosophy of Language
 Minds, Models and Machines

Topics in the History of Philosophy (300 level), The University of Louisiana at Lafayette

Topics: Nietzsche
 Classical Chinese Philosophy

Plato, Aristotle and the Ancients, (300 level), The University of Louisiana at Lafayette

The History of Modern Philosophy, (200 and 300 level), The University of Louisiana at Lafayette

Professional Ethics, (300 level), The University of Louisiana at Lafayette.

The Philosophy of Mind, (300 level), The University of Louisiana at Lafayette.

The Philosophy of Science, (300 level), The University of Louisiana at Lafayette.

Ancient Philosophy, (200 level), The University of Louisiana at Lafayette.

The Philosophy of Mind, (200 level), University of Alberta.

Critical Thinking (200 level), Athabasca University and The University of Louisiana at Lafayette

An Introduction to the Philosophy of Artificial Intelligence and Cognitive Science, (200 level and honors), The University of Southwestern Louisiana.

Philosophical Problems, (100 level), University of Alberta.

An Introduction to Philosophy, (100 level and honors), The University of Louisiana at Lafayette.

Explorations in Liberal Arts, (100 level), The University of Louisiana at Lafayette.

Graduate Students

Doctoral Students

Jeffery Darensburg, Dissertation Director, “On The Philosophy of Cognitive Science”, Institute of Cognitive Science, Spring 2007.

Cengiz Gunay, Dissertation Committee Member, “Hierarchical Learning of Conjunctive Concepts in Spiking Neural Networks”, Center for Advanced Computer Studies, Fall 2003.

Benjamin Rowland, Dissertation Committee Member, “A Mathematical Model of Novelty Detection and Episodic Memory in the Mammalian Hypocampus”, Institute of Cognitive Science, Spring 2004.

Roxanne Benoit, Dissertation Committee Member, “Audience-designed Address, Listener Models and Entrainment in Conversation”, Institute of Cognitive Science, Spring 2009.

Derek James, Dissertation Committee Member, “A Recurrent Hierarchical Model of Unsupervised Sequence Learning and Processing”, Institute of Cognitive Science, in progress.

Naresh Vempala, Dissertation Committee Member, “Modeling Memory Perception and Recognition”, Institute of Cognitive Science, Spring 2010.

Brooke Breaux, Dissertation Committee Member, “On Grounding Metaphors in Space: The Role of Metaphorical Connections in Assessing the Abstract Meanings of English Prepositions”, Institute of Cognitive Science, to be defended, April 2013.

Masters Students

Prashant Joshi, Thesis Committee Member, “Synthesis of a Liquid State Machine with Hopfield/Brody Transient Synchrony”, Center for Advanced Computer Studies, Fall 2002.

Professional Activities

Referee for Athabasca University Press, *The Applied Intelligence Journal*, *Behaviour and Brain Sciences*, *Connection Science*, *Informatica*, *The Journal of Evolutionary Psychology*, *Minds and Machines*, *Philosophical Psychology*, *Phenomenology and Cognitive Science*, *The Internet Encyclopedia of Philosophy*, *Synthese*, The Canadian Philosophical Association, and Wadsworth Publishing Company.

Guest Editor, Special Issue: “What is a Computer?”, *Minds and Machines*, Vol. 28, No. 3. Sept. 2018.

Member of the Program Committee for the American Philosophical Association Central Division Meeting, New Orleans, Feb. 2013.

Editor-in-Chief and archivist, *The Electronic Journal of Analytic Philosophy*, ([EJAP](http://ejap.louisiana.edu)) from Jan. 2001 to present (see <http://ejap.louisiana.edu>).

Listowner and moderator of PHILOSOP, The Academic Philosophy List (PHILOSOP@louisiana.edu) from Sept. 1995 to present (See <https://lists.louisiana.edu/mailman/listinfo/philosop>).

Participant in the National Science Foundation EPSCoR Speaking of Science Program of the Louisiana State Board of Regents, from Sept. 1999 to present.

Mentor, The Ronald E. McNair Post Baccalaureate Achievement Program, 2005-2006 and 2013.

Grant reviewer and panel member for The National Science Foundation.

Member of the advisory board for Epistemelinks.com (<http://www.epistemelinks.com>), May 1998.

Founding Board Member of the International Society for Interactive Instructional Technology.

Program Organiser for the "Connectionism For Cognitive Scientists" Workshop, Carleton University, Ottawa, May 1996.

Member of The Biological Computation Project at The University of Alberta, 1992-1996.

Member of the Program Committee for the "Foundations of Cognitive Science" Workshop, held at the Artificial Intelligence and Study of Behavior (AISB) conference, in Sheffield, England, Apr. 1995.

Owner and editor of the list, PHIL-L@VM.UCS.UALBERTA.CA ("Dedicated to the Philosophical/technical aspects of PDP systems"), from Dec. 1992 to Sept. 1995.

Participant at the First International Summer Institute in Cognitive Science at Buffalo, July 1994, (with Financial Assistance).

Member of the Board of the International Philosophical Preprints Exchange (IPPE), phil-preprints.l.chiba-u.ac.jp, based at Chiba University in Japan.

Associate of The Behavior and Brain Sciences Society (from June 1993).