

JEREMY HORNE, Ph.D.

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AREAS OF SPECIALIZATION

Logic (with course work in Symbolic Logic, Set Theory, Modal Logic, Computer-Managed Instruction in logic), Social and Political Philosophy, History of Philosophy, and Philosophy of Education

CURRENT RESEARCH INTERESTS

- Recursion in three-dimensional binary space
- Modeling and Simulation – Autonomous hybrid systems, and states of life and consciousness, with emphasis on dynamic validation
- Organicity and consciousness in systems
- Relationship of first and second order logic to modeling theories, such as IDEF
- Cosmological and quantum semantics of binary logic
- Effect of millimeter wave radiation on transitional states of consciousness
- Consciousness studies, particularly the structure, role, and philosophy of bi-valued logic in consciousness

Other topics in logic: paradoxes, unary set instantiation, proof checkers

PROFESSIONAL EXPERIENCE

Current

Semi-retired academician, researcher, and writer;

Formerly

- Chief Executive Officer – Inventors Assistance League - Science Advisor, Curriculum Coordinator, and consultant preparing patent documents
- Researcher/Consultant/Documentation Systems Developer – Linux and Microsoft documentation software, operating systems, some programming (FORTRAN, BASIC, C-shell), and other standard software applications – over 25 years technical writing experience
- RhinoCorps, Albuquerque, NM – contractor for White Sands Missile Range – April 2002 – 28 February 2009
- Academician - Independent researcher and writer
- Teaching
- Many adjunct faculty positions in Arizona, North Carolina, and California Subjects: various courses in philosophy (logic, ethics, and political philosophy) List provided upon request.

REPRESENTATIVE PUBLICATIONS

Managing Complexity Through Social Intelligence - released by Springer March 2023.

Horne, Jeremy (2022). A Framework for Studying Consciousness. *Consciousness: Ideas and research for the twenty-first century*: 9(1), article 1.

From the *Journal of Systemics, Cybernetics and Informatics*
[<http://www.iiisci.org/Journal/SCI/Home.asp>]:

- The Philosophy of Research (volume 17 - number 1 - year 2019, pages: 30-56)
- The Rigor of "Interdisciplinary" - (volume 18 - number 1 - year 2020, pages: 134-161)
- The Philosophy of Cybernetics - (volume 19 - number 4 - year 2021, pages: 128-159)
- Social Implications of Big Data and Fog Computing. *International Journal of Fog Computing (IJFC)* 1(2), 2018 DOI: 10.4018/IJFC.2018070101
- Optimizing library services - How Information Scientists Can Help Fix the Broken Peer Review Process”. *Against the Grain*, February 2018, pp. 58-61
- (2018). Philosophical foundations of the Death and Anti-Death discussion - *Death And Anti-Death set of anthologies*, Vol. 15 Ria Press (December 2017-January 2018)
- (2018). Some considerations for what it means to be “fundamental”. FXQI essay.
- (2017). Editor, *Philosophical Perspectives of Order and Logic, a collection of articles to supplement logic textbooks*. Hershey, PA: IGI Global, 2017.
- (2017). Big Data From A Logical Perspective. *Big Data Storage and Visualization Techniques*. Hershey, PA: IGI Global.
- (2017). The Ontology of Randomness, appearing in *Encyclopedia of Information Science and Technology* (4th Edition). Hershey, PA: IGI Global.
- (2015). A Philosophy of Learning. *The Journal on Systemics, Cybernetics and Informatics (JSCI)* 13(6).
- (2015). Supercomputers: A Philosophy of their Language and Supercomputers: A Philosophical Perspective (two chapters). *Research and Applications in Global Supercomputing*. Hershey, PA: IGI Global.
- A New Three Dimensional Bivalent Hypercube – simultaneous publication of two versions – *Alexandria Journal of Mathematics*, 2(1), June 2011 and *Neuroquantology*, (10)1, 2012.
- Numerous articles on leadership, including, “The Philosophy of Leadership” - 2011 – present, <http://www.leadership-central.com/> - used in syllabus at the Sorbonne
- (2011). Is Reality Digital or Analog?, FXQI Foundational Questions Institute, 8 February 2011 [<http://fqxi.org/community/forum/topic/862>]
- ---numerous others ---
- Co-author of MIL-HDBK-415, A Design Handbook for Fiber Optic Communications Systems, 1994 – Current, as of February 2012

Repository: <https://sites.google.com/site/yourmindshomepage/documents>

Works also can be found on www.adademia.edu under “Jeremy Horne”.

ORCID ID: [0000-0002-9179-0815](https://orcid.org/0000-0002-9179-0815)

OTHER PROFESIONAL ACTIVITY

- President-emeritus, Southwest Area Division, American Association for the Advancement of Science (AAAS)
- Presidente del Consejo Editorial, Revista Iberoamericana de Sistemas, Cibernética e Informática
- Visiting Professor, Department of Psychology, Universidad Juarez Estado de Durango, Durango, Mexico; Project: - Establishing Mexico-wide Consciousness Conference – Starting mid-March 2009
- Reviewer for several peer-reviewed publications
- A founder of original “Towards a Science of Consciousness” - Sierra Vista, AA - 1991

PROFESSIONAL ORGANIZATIONS

- American Association for the Advancement of Science
- Bioelectromagnetics Society
- Union of Concerned Scientists
- International Institute for Informatics and Systemics

EDUCATION/HONORS

- University of Florida, Gainesville, FL, Ph.D. in Philosophy
- Southern Connecticut State University, New Haven, CT, M.S. in Political Science
- Johns Hopkins University, Baltimore, MD, B.A. in International Relations
- Many graduate courses in political science
- Courses in fiber optics, optical network theory, auto technology, and corrections
- Phi Kappa Phi, National (Academic) Honor Society

CERTIFICATIONS

- Arizona Community College Teaching - Philosophy/Social Science (Lifetime), Technical Writing
- California Community College Teaching - Government (Theory and Practice, Local and International)/Philosophy and Religion/Social Science/Automotive Mechanics and Related Technologies (Lifetime)

Updated: 24 April 2022