

# *CURRICULUM VITAE*

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## CHRONOLOGY OF EDUCATION

### Colleges Attended:

- [Santa Ana College](#), Santa Ana, California.
- [University of California, Irvine](#).

### Degrees:

- B.A. in psychology, University of California, Irvine, 1985.
- B.A. (cum laude) in philosophy, University of California, Irvine, 1987.
- M.A. in philosophy, University of California, Irvine, 1991.
- Ph.D. in philosophy, University of California, Irvine, 1995.

### Dissertation:

- "A Defense of a Probabilistic Method of Establishing Mathematical Truths", Advisor: [Penelope Maddy](#).

### Major Fields:

- Epistemology, Social Epistemology, Philosophy of Information, Information Ethics, Philosophy of Mathematics

## CHRONOLOGY OF EMPLOYMENT

- Software Engineer, [Deltronic Corporation](#), Santa Ana, California, 1987-1997.
- Teaching Assistant, [Department of Philosophy](#), [University of California, Irvine](#), 1988-1995.
- Teaching Associate, [Humanities Core Course](#), [University of California, Irvine](#), 1992 and 1994.

- Visiting Researcher, [Department of Philosophy, University of California, Irvine](#), 1995-1997.
- Visiting Instructor, [Department of Philosophy, Fullerton College](#), 1997.
- Assistant Professor, [School of Information Resources and Library Science, University of Arizona](#), 1997-2004.
- Visiting Researcher, [School of Information Science and Policy, State University of New York at Albany](#), 2003.
- Visiting Instructor, [Department of Philosophy, Massachusetts College of Liberal Arts](#), 2003.
- Associate Professor, [School of Information Resources and Library Science, University of Arizona](#), 2004-2012.
- Visiting Researcher, [Department of Philosophy, Rutgers, The State University of New Jersey](#), 2005.
- Adjunct Associate Professor, [Department of Philosophy, University of Arizona](#), 2005-2018.
- Professor, [School of Information Resources and Library Science, University of Arizona](#), 2012-2015.
- Faculty, [Graduate Interdisciplinary Program in Cognitive Science, University of Arizona](#), 2013-2018.
- Professor, [School of Information, University of Arizona](#), 2015-2018.
- Professor, [Department of Philosophy and Religion, Northeastern University](#), 2019-present.
- Professor, [Khoury College of Computer Sciences, Northeastern University](#), 2019-present.

## HONORS AND AWARDS

- Regent's Fellowship, [University of California, Irvine](#), 1988.
- Summer Research Fellowship (\$2,832), Focused Research Program in Public Choice, [University of California, Irvine](#), 1990.
- Justine Lambert Prize in Social Justice (\$1,000), [University of California, Irvine](#), 1991.
- Humanities Essay Award, [University of California, Irvine](#), 1991.
- Summer Dissertation Fellowship, [University of California, Irvine](#), 1992.
- Outstanding Faculty Award (*virtual*), [Library Student Organization, University of Arizona](#), 2004.
- Visiting Fellowship, [Centre for Ethics, Philosophy and Public Affairs, University of St. Andrews](#), 2011.
- [SBSRI Research Professorship, University of Arizona](#), 2013.
- [Hubert Griggs Alexander Memorial Award](#) (\$100), [New Mexico Texas Philosophical Society](#), 2014.
- Visiting Fellowship (\$45,000), [Tanner Humanities Center, University of Utah](#), 2014-2015.

## SERVICE

- Associate Editor: [Episteme: A Journal of Individual and Social Epistemology](#) (Cambridge University Press), 2009-present.

- Steering Committee: [Social Epistemology Network](#), 2017-present.
- Organizing Committee: [Information Ethics Roundtable](#), 2003-present.
- Chair: [Research Group on the History and Philosophy of Information](#), 2006-2018.
- Treasurer: [Arizona Chapter of the American Society for Information Science and Technology](#), 2001-2014.
- Discussed [Lying](#) with Roy Sorensen and [Christmas Lies](#) on [Philosophy TV](#), 2010.
- Discussed [Lying and Deception in The Princess Bride](#) on [I Think, Therefore I Fan](#), 2019
- Discussed [Deepfakes](#) with [Axios](#), 2019.
- Blogging on [The Social Epistemology of Coronavirus \(teaching module\)](#), 2020.
- Discussed [Verifying Information Online](#) at AVerpoint, 2021.
- Referee: *Nous*, *Notre Dame Journal of Formal Logic*, *Educational Researcher*, *Philosophia Mathematica*, *Annual Review of Information Science and Technology*, *British Journal for the Philosophy of Science*, *Episteme*, *Philosophy of Science*, *Journal of Medical Internet Research*, *Social Epistemology*, *Journal of Education for Library and Information Science*, *Australasian Journal of Philosophy*, *Erkenntnis*, *Synthese*, *Journal of the American Society for Information Science and Technology*, *Foundations of Science*, *BMC Medical Informatics and Decision Making*, *Encyclopedia of Library and Information Sciences*, *Ethics and Information Technology*, *Canadian Journal of Philosophy*, *Pacific Philosophical Quarterly*, *American Philosophical Quarterly*, *Philosophical Studies*, *Philosophers' Imprint*, *Mind*, *Philosophy & Technology*, *Philosophy Compass*, *Journal of Value Inquiry*, *Ethics*, *Journal of Philosophical Research*, *Thought*, Oxford University Press, Routledge, *Analysis*.
- Member: [American Philosophical Association](#), [International Association for Computing and Philosophy](#), [International Center for Information Ethics](#).
- Dissertation Committee Member/Examiner: Neri Marsili (Sheffield, Philosophy, 2017), Laura Lenhart (Arizona, SIRLS, 2014), Marti Lindsey (Arizona, SIRLS, 2010), Ming Yuan (Arizona, Management Information Systems, 2008), Dennis Whitcomb (Rutgers, Philosophy, 2007).

## PUBLICATIONS

### Journal Articles and Book Chapters:

#### *on Lying and Deception:*

- ["What is Lying?"](#), *Journal of Philosophy*, **106**, 1, (2009): 29-56.<sup>1</sup>
- ["Lying and Deception"](#), *Philosophers' Imprint*, **10**, 11, (2010): 1-22.
- ["What Liars Can Tell Us About the Knowledge Norm of Practical Reasoning"](#), *Southern Journal of Philosophy*, **49**, 4, (2011): 347-367.
- ["Floridi on Disinformation"](#), *Etica & Politica*, **13**, 2, (2011): 201-214.<sup>2</sup>
- ["Lying as a Violation of Grice's First Maxim of Quality"](#), *dialectica*, **66**, 4, (2012): 563-581.
- ["Davidson was Almost Right about Lying"](#), *Australasian Journal of Philosophy*, **91**, 2, (2013): 337-353.<sup>3</sup>
- (with Adam Arico) ["Lies, Damned Lies, and Statistics: An Empirical Study of the Concept of Lying"](#), *Philosophical Psychology*, **26**, 6, (2013): 790-816.

- "Epistemic Values and Disinformation", *Virtue Epistemology Naturalized*, ed. Abrol Fairweather, Springer, (2014): [159-179](#).
- "The Varieties of Disinformation", *The Philosophy of Information Quality*, eds. Luciano Floridi and Phyllis Illari, Springer, (2014): [135-161](#).
- "[Frankfurt Wasn't Bullshitting!](#)", *Southwest Philosophical Studies*, **37**, (2015), 11-20.
- "[Skyrms on the Possibility of Universal Deception](#)", *Philosophical Studies*, **172**, 2, (2015): [375-397](#).
- "[Are Bald-Faced Lies Deceptive After All?](#)", *Ratio*, **28**, 1, (2015): [81-96](#).
- "[What is Disinformation?](#)", *Library Trends*, **63**, 3, (2015): [401-426](#).
- "Mis- and Dis-information", *Routledge Handbook of Philosophy of Information*, ed. Luciano Floridi, Routledge, (2016): 332-346.
- "Is Making People Ignorant as Bad as Deceiving Them?", *Moral and Social Perspectives on Ignorance*, ed. Rik Peels, Routledge, (2017): 120-133.
- (with Kay Mathiesen) "[The Greatest Liar Has His Believers: The Social Epistemology of Political Lying](#)", *Ethics in Politics*, eds. Emily Crookston, David Killoren, and Jonathan Trerise, Routledge, (2017): 35-53.
- (with Andreas Stokke) "[Bullshitting, Lying, and Indifference toward Truth](#)", *Ergo*, **4**, 10, (2017): [277-309](#).
- "What is Deceptive Lying?", *Lying: Language, Knowledge, Ethics, and Politics*, eds. Andreas Stokke and Eliot Michaelson, Oxford University Press, (2018): 25-42.
- "Adversarial Epistemology on the Internet", *Routledge Handbook of Applied Epistemology*, eds. David Coady and James Chase, Routledge, (2018): 54-68.
- (with Peter J. Lewis) "[Toward a Formal Analysis of Deceptive Signaling](#)", *Synthese*, **196**, 6, (2019): [2279-2303](#).
- "Lying and Omissions", *Oxford Handbook of Lying*, ed. Jörg Meibauer, Oxford University Press, (2019): 183-192.
- "[Shedding Light on Keeping People in the Dark](#)", *Topics in Cognitive Science*, **12**, 2, (2020): [535-554](#).
- (with Peter J. Lewis) "Animal Deception and the Content of Signals", *Studies in the History and Philosophy of Science*, **87**, (2021): [114-124](#).
- (with Kay Mathiesen) "Fake News is Counterfeit News", *Inquiry*, [forthcoming](#).
- "[The Epistemic Threat of Deepfakes](#)", *Philosophy & Technology*, [forthcoming](#).

**on Lying and Deception in Popular Culture:**

- "[Lies, Incorporated](#)", *Philip K. Dick and Philosophy*, ed. Dylan Wittkower, Open Court, (2011): 163-173.
- "[The Many Faces of Deception](#)", *Sherlock Holmes and Philosophy*, ed. Josef Steiff, Open Court, (2011): 159-177.
- "[It is a Great Crime to Lie to a King](#)", *Game of Thrones and Philosophy*, ed. Henry Jacoby, Wiley-Blackwell, (2012): 19-32.
- "[The Mendacity Bifurcation](#)", *The Big Bang Theory and Philosophy*, ed. Dean Kowalski, Wiley-Blackwell, (2012): 203-216.
- "[The Most Terrific Liar You Ever Saw in Your Life](#)", *The Catcher in the Rye and Philosophy*, eds. Keith Dromm and Heather Salter, Open Court, (2012): 11-21.
- "[What if Nobody Walks the Straight and Narrow Track?](#)", *The Wire and Philosophy*, eds. Joanna Crosby, David Bzdak, and Seth Vannatta, Open Court, (2013): 97-104.

- ["Are Apes Sneaky Enough to be People?"](#), *Planet of the Apes and Philosophy*, ed. John Huss, Open Court, (2013): 27-38.
- ["When It's Right to Lie to a Bootlegger"](#), *Boardwalk Empire and Philosophy*, eds. Richard Greene and Rachel Robison-Greene, Open Court, (2013): 101-113.
- ["They're Screwing Around with Us!"](#), *Ender's Game and Philosophy*, eds. D. E. Wittkower and Lucinda Rush, Open Court, (2013): 107-114.
- ["It's Epistemic War Out There!"](#), *Homeland and Philosophy*, ed. Robert Arp, Open Court, (2014): 119-128.
- ["Machiavelli Would Not Be Impressed"](#), *House of Cards and Philosophy*, ed. J. Edward Hackett, Wiley-Blackwell, (2016): 92-101.
- ["Who Can You Trust? The Paradox of Listening to The Who"](#), *The Who and Philosophy*, eds. Rocco Gennaro and Casey Harison, Lexington Books, (2016): 135-144.
- ["Why Would You Put a Con Artist in Charge of the Money?"](#), *Discworld and Philosophy*, ed. Nicolas Michaud, Open Court, (2016): 101-111.
- ["True Love and False Fronts"](#), *The Princess Bride and Philosophy*, eds. Richard Greene and Rachel Robison-Greene, Open Court, (2016): 3-11.
- ["On-keeping-everyb0dy-1n-the-d4rk.docx"](#), *Mr. Robot and Philosophy*, eds. Richard Greene and Rachel Robison-Greene, Open Court, (2017): 171-180.
- ["On Playing Cowboys and Indians"](#), *Westworld and Philosophy*, eds. James South and Kimberly Engels, Wiley-Blackwell, (2018): 5-14.
- ["The Truth about Lying"](#), *The Twilight Zone and Philosophy*, eds. Heather L. Rivera and Alexander E. Hooke, Open Court, (2019): 109-116.

**on Epistemology:**

- ["Veritistic Social Epistemology and Information Science"](#), *Social Epistemology*, **14**, 4, (2000): 305-316.<sup>4</sup>
- ["Goldman on Probabilistic Inference"](#), *Philosophical Studies*, **109**, 3, (2002): 223-240.
- (with Gerrard Liddell) ["Further Results on Inquiry and Truth Possession"](#), *Statistics and Probability Letters*, **60**, 2, (2002): 169-182.
- ["Epistemic Value Theory and Information Ethics"](#), *Minds and Machines*, **14**, 1, (2004): 101-117.<sup>5</sup>
- ["On Verifying the Accuracy of Information: Philosophical Perspectives"](#), *Library Trends*, **52**, 3, (2004): 463-487.
- ["Epistemic Value Theory and Judgment Aggregation"](#), *Episteme*, **2**, 1, (2005): 39-55.
- ["The Epistemic Costs and Benefits of Collaboration"](#), *Southern Journal of Philosophy*, **44**, S, (2006): 197-208.
- ["Epistemic Value Theory and Social Epistemology"](#), *Episteme*, **2**, 3, (2006): 177-188.
- ["Social Epistemology and Information Science"](#), *Annual Review of Information Science and Technology*, ed. Blaise Cronin, Information Today, **40**, (2006): 475-519.
- ["Epistemic Value Theory and the Digital Divide"](#), *Information Technology and Social Justice*, eds. Emma Rooksby and John Weckert, Idea Group, (2007): 29-46.<sup>6</sup>
- ["Attitudes Toward Epistemic Risk and the Value of Experiments"](#), *Studia Logica*, **86**, 2, (2007): 215-246.
- ["Collective Epistemic Goals"](#), *Social Epistemology*, **21**, 3, (2007): 267-280.
- ["Toward an Epistemology of Intellectual Property"](#), *Journal of Information Ethics*, **16**, 2, (2007): 34-51.<sup>7</sup>

- (with Adam Arico, Nathan Ballantyne, Matt Bedke, Jacob Caton, Ian Evans, Brian Fiala, Martin Frické, David Glick, Peter Gross, Terry Horgan, Jenann Ismael, John Pollock, Daniel Sanderman, Paul Thorn, Orlin Vakarelov) "[An Objectivist Argument for Thirdism](#)", *Analysis*, **68**, 2, (2008): 149-155.
- "[Toward an Epistemology of Wikipedia](#)", *Journal of the American Society for Information Science and Technology*, **59**, 10, (2008): 1662-1674.
- (with [Dennis Whitcomb](#)) "[Epistemic Values and Information Management](#)", *The Information Society*, **25**, 3, (2009): 175-189.
- "[Taking the Two Envelope Paradox to the Limit](#)", *Southwest Philosophy Review*, **25**, 2, (2009): 95-111.
- "Wikipistemology", *Social Epistemology: Essential Readings*, eds. Alvin Goldman and Dennis Whitcomb, Oxford University Press, (2011): 297-313.<sup>8</sup>
- "[Privacy and Lack of Knowledge](#)", *Episteme*, **10**, 2, (2013): 153-166.
- (with Peter J. Lewis) "[The Brier Rule is Not a Good Measure of Epistemic Utility \(and Other Useful Facts about Epistemic Betterness\)](#)", *Australasian Journal of Philosophy*, **94**, 3, (2016): 576-590.
- (with Peter J. Lewis) "[Accuracy, Conditionalization, and Probabilism](#)", *Synthese*, **198**, (2021): 4017-4033.

#### ***on Epistemology in Popular Culture:***

- "[Probability as a Guide to Poker](#)", *Poker and Philosophy*, ed. Eric Bronson, Open Court, (2006): 93-104.<sup>9</sup>
- (with Dan Zelinski) "Tom Petty Didn't Really Need to Know", *Tom Petty and Philosophy*, eds. Megan Volpert and Randall Auxier, Open Court, (2018): 107-118.
- "Do Climate Skeptics Have To Be Conspiracy Theorists?", *Conspiracy Theories: Philosophers Connect the Dots*, eds. Richard Greene and Rachel Robison-Greene, Open Court, (2020): 99-106.

#### ***on Philosophy of Mathematics:***

- "[Mathematical Proof and the Reliability of DNA Evidence](#)", *American Mathematical Monthly*, **103**, 6, (1996): 491-497.<sup>10</sup>
- "[The Source of Chaitin's Incorrectness](#)", *Philosophia Mathematica (3)*, **4**, 3, (1996): 261-269.
- "[The Epistemic Status of Probabilistic Proof](#)", *Journal of Philosophy*, **94**, 4, (1997): 165-186.<sup>11</sup>
- "[The Reliability of Randomized Algorithms](#)", *British Journal for the Philosophy of Science*, **51**, 2, (2000): 255-271.
- "[What Do Mathematicians Want?: Probabilistic Proofs and the Epistemic Goals of Mathematicians](#)", *Logique et Analyse*, **45**, 179-180, (2002): 373-388.<sup>12</sup>
- "[Intentional Gaps in Mathematical Proofs](#)", *Synthese*, **134**, 1-2, (2003): 45-69.
- "[Probabilistic Proofs and the Collective Epistemic Goals of Mathematicians](#)", *Collective Epistemology*, eds. Hans Bernard Schmid, Marcel Weber, and Daniel Sirtes, Ontos, (2011): 157-175.

#### ***on Information Ethics:***



- (with Martin Frické and Kay Mathiesen) "The Ethical Presuppositions Behind the Library Bill of Rights", *Library Quarterly*, **70**, 4, (2000): 468-491.<sup>13</sup>
- "[Information Ethics for 21st Century Library Professionals](#)", *Library Hi Tech*, **25**, 1, (2007): 23-36.
- (with Kay Mathiesen) "[Information Ethics and the Library Profession](#)", *Handbook of Information and Computer Ethics*, eds. Herman Tavani and Kenneth Himma, Wiley, (2008): 221-244.

#### **on Information Accuracy:**

- (with Martin Frické) "[Indicators of Accuracy of Consumer Health Information on the Internet](#)", *Journal of the American Medical Informatics Association*, **9**, 1, (2002): 73-79.<sup>14</sup>
- (with Martin Frické) "Verifiable Health Information on the Internet", *Journal of Education for Library and Information Science*, **43**, 4, (2002): 262-269.
- (with Martin Frické) "[Indicators of Accuracy for Answers to Ready Reference Questions on the Internet](#)", *Journal of the American Society for Information Science and Technology*, **55**, 3, (2004): 238-245.
- (with Martin Frické, Marci Jones, and Gianna M. Luszko) "[Consumer Health Information on the Internet about Carpal Tunnel Syndrome: Indicators of Accuracy](#)", *American Journal of Medicine*, **118**, 2, (2005): 168-174.

#### **Papers in Conference Proceedings:**

- "Signaling Theory and Internet Epistemology", *Proceedings of WebNet - World Conference of the WWW, Internet, and Intranet*, Charlottesville, Virginia: Association for the Advancement of Computing in Education, (1998).
- "[Inaccurate Consumer Health Information on the Internet: Criteria for Evaluating Potential Solutions](#)", *Proceedings of the Annual Symposium of the American Medical Informatics Association*, Bethesda, Maryland: American Medical Informatics Association, (1999).
- (with Kay Mathiesen) "Consistency Rules for Classification Schemes", *Proceedings of the 6th International Conference of the International Society for Knowledge Organization*, Germany: Ergon Verlag, (2000).
- "[Social Epistemology and LIS: How to Clarify Our Epistemic Objectives](#)", *Proceedings of the 29th Annual Conference of the Canadian Association for Information Science*, Québec, Canada: Canadian Association for Information Science, (2001).
- "Clarifying the Epistemic Objectives of Mathematicians", *Proceedings of the Annual Meeting of the Canadian Society for History and Philosophy of Mathematics*, Québec, Canada: Canadian Society for History and Philosophy of Mathematics, (2001).
- (with Martin Frické) "[Verifiable Health Information on the Internet](#)", *Proceedings of AusWeb02 - 8th Australian World Wide Web Conference*, Queensland, Australia: Southern Cross University, (2002).
- "[Social Epistemology and the Digital Divide](#)", *Conferences in Research and Practice in Information Technology*, **37**, Sydney, Australia: Australian Computer Society, (2004).
- (with Martin Frické) "[Indicators of Accuracy of Consumer Health Information on the Internet: A Review of One Approach and its Results](#)", *Proceedings of Mednet - World Congress on Internet in Medicine*, Toronto, Canada: JMIR Publications, (2006).

- ["A Conceptual Analysis of Disinformation"](#), *Proceedings of the iConference*, Chapel Hill, North Carolina: iSchools Organization, (2009).
- ["A Functional Analysis of Disinformation"](#), *Proceedings of the iConference*, Berlin, Germany: iSchools Organization, (2014), 621-627.

#### **Cited but Unpublished Manuscripts:**

- "Erring on the Side of Credulity"<sup>15</sup>
- [Comments on "Goldman on Knowledge as True Belief"](#)<sup>16</sup>
- (with Peter Lewis) ["Misleading Evidence"](#)

#### **Works Edited:**

- Special issue on ["Social Epistemology and Information Science"](#), *Social Epistemology*, **16**, 1, (2002).
- (with [Larry Sanger](#)) Special issue on ["The Epistemology of Mass Collaboration"](#), *Episteme*, **6**, 1, (2009).

#### **Encyclopedia Entries:**

- "Epistemology of Mass Collaboration", [Encyclopedia of Philosophy and the Social Sciences](#), ed. Byron Kaldis, SAGE, (2013): 266-267.
- "Disinformation", [Encyclopedia of Deception](#), ed. Timothy R. Levine, SAGE, (2014): 299-302.
- "The Concept of Disinformation", *Encyclopedia of Information Science and Technology, Third Edition*, ed. Mehdi Khosrow-Pour, IGI, (2015): 4720-4727.
- ["Disinformation, Deception & Politics"](#), *American Political Culture*, ed. Michael Shally-Jensen, ABC-CLIO, (2015): 334-340.

#### **Opinion Pieces:**

- (with Martin Frické) "Not by Library School Alone", [Library Journal](#), **124**, 17, (1999): 44-45.<sup>17</sup>
- (with Martin Frické) "Teach Theory & Skills", [Library Journal](#), **125**, 4, (2000): 8.
- (with Kay Mathiesen) Response to "A Utilitarian Case for Intellectual Freedom in Libraries" by Tony Doyle, [Library Quarterly](#), **71**, 3, (2001): 437-438.
- [Introduction to a special issue on "Social Epistemology and Information Science"](#), *Social Epistemology*, **16**, 1, (2002): 1-4.
- (with Martin Frické) [Reply to "Consumer Health Information on the Internet"](#), *Journal of the American Medical Informatics Association*, **9**, 4, (2002): 403-405.
- Reply to "What is the Goal of Proof?" by Aaron Lercher, [Logique et Analyse](#), **45**, 179-180, (2002): 397-398.
- [Introduction to a special issue on "The Epistemology of Mass Collaboration"](#), *Episteme*, **6**, 1, (2009).
- (with Kay Mathiesen) ["Veritistic Epistemology and the Epistemic Goals of Groups: A Reply to Vähämaa"](#), *Social Epistemology*, **27**, 1, (2013): 21-25.
- ["Seeing is Not Believing"](#), *IAI News*, 96, (2021).

#### **Reviews:**



- Review of a special issue of *Educational Studies in Mathematics* on "Aspects of Proof", [\*Journal of Symbolic Logic\*, 63, 3, \(1998\): 1196-1200.](#)
- Review of *Goodbye, Descartes* by Keith Devlin, [\*Mathematical Intelligencer\*, 21, 2, \(1999\): 70-72.](#)
- Review of *The Language of First-Order Logic and Hyperproof* by Jon Barwise and John Etchemendy, [\*Journal of Symbolic Logic\*, 64, 2, \(1999\): 916-918.](#)
- (with Kay Mathiesen) Review of *The Cambridge Quintet* by John Casti, [\*Mathematical Intelligencer\*, 21, 3, \(1999\): 77-79.](#)
- (with Kay Mathiesen) Review of *Doing Internet Research* edited by Steve Jones, [\*Journal of Documentation\*, 56, 5, \(2000\): 589-591.](#)
- Review of *"All That Glitters": Prospecting for Information in the Changing Library World* edited by Steven Vincent and Sue K. Norman, [\*Library Quarterly\*, 71, 3, \(2001\): 402-403.](#)
- [\*Review of The Problem of Information by Douglas Raber, Library Quarterly\*, 75, 1, \(2005\): 94-96.](#)
- [\*Review of On Bullshit by Harry Frankfurt, Library Quarterly\*, 75, 3, \(2005\): 383-384.](#)
- [\*Review of The Economic Naturalist by Robert H. Frank, Library Quarterly\*, 79, 3, \(2009\), 379-382.](#)
- [\*Review of Lying and Deception by Thomas L. Carson, Mind\*, 120, 480, \(2011\), 1232-1237.](#)
- [\*Review of Lying, Misleading, & What is Said by Jennifer M. Saul, European Journal of Philosophy\*, 22, S1, \(2014\), e17-e22.](#)
- [\*Review of What To Believe Now by David Coady, Australasian Journal of Philosophy\*, 92, 2, \(2014\), 391-394.](#)

## WORKS IN PROGRESS

- (with James Mahon) "Deception"
- "Adversarial Epistemology"
- (with Peter Lewis) "Accuracy-Based Models of Scientific Progress"
- "Deceiving versus Manipulating: An Evidence-Based Definition of Deception"
- "What Frogs Can Teach Us about Probabilities"
- "The Epistemology of Dissimulation "

## SCHOLARLY PRESENTATIONS

### Colloquia:

- "The Source of Chaitin's Incorrectness", Department of Philosophy, University of California, Irvine, 1991.
- "The Epistemic Status of Probabilistic Proof", School of Information Resources and Library Science, University of Arizona, 1997.<sup>18</sup>
- "A Theory of Verifiable Information", Department of Philosophy, University of Arizona, 1999.<sup>19</sup>
- "The Epistemic Value of Ignorance", Department of Philosophy, Massachusetts College of Liberal Arts, 1999.

- "Social Epistemology, Decision Theory, and Information Science", (*invited lecture*), NEH Summer Seminar on "Philosophical Foundations of Social Epistemology", University of Arizona, 2000.<sup>20</sup>
- "The Economics of Information Goods", Department of Business Administration and Economics, Massachusetts College of Liberal Arts, 2000.
- "Epistemology as Value Theory", Department of Philosophy and Religion, James Madison University, 2001.<sup>21</sup>
- "Epistemic Value Theory and Information Services", Department of Philosophy, University of Washington, 2003.<sup>22</sup>
- "Epistemic Goals, Triviality, and Preference Change", Department of Philosophy, University of Miami, 2004.<sup>23</sup>
- "Epistemic Values and Information Policies", School of Library and Information Science, Indiana University, 2005.<sup>24</sup>
- "What is Lying? Why Chisholm and Feehan were Almost Right", Department of Philosophy, Wayne State University, 2006.
- "What is Lying?", Department of Logic and Philosophy of Science, University of California, Irvine, 2008.<sup>25</sup>
- "Sherlock Holmes and the Many Faces of Deception", School of Information Resources and Library Science, University of Arizona, 2010.
- "Information Policy, Social Epistemology, and Disinformation", School of Information Studies, University of Wisconsin, Milwaukee, 2011.
- "Lying and What is Said", Arché Seminar, University of St. Andrews, 2011.
- "Epistemic Value Theory and Disinformation", Department of Philosophy, University of Edinburgh, 2011.
- "Kant versus Skyrms on Universal Deception", Choice Group, London School of Economics, 2012.<sup>26</sup>
- (with Peter Lewis) "Skyrms was Almost Right about Deception", Department of Logic and Philosophy of Science, University of California, Irvine, 2016.<sup>27</sup>
- "How Bayesians Lie to Other Bayesians", School of Information, University of Arizona, 2017.
- (with Kay Mathiesen) "The Real Story Behind Fake News", Sedona Salon, Philosophy in the Public Interest, 2017.<sup>28</sup>
- "A Bayesian Epistemology of Deception", Department of Philosophy, Northeastern University, 2018.<sup>29</sup>

#### **Conference Presentations:**

- "A Defense of a Probabilistic Method of Establishing Mathematical Truths", *10th International Congress of Logic, Methodology and Philosophy of Science*, Florence, Italy, 1995.<sup>30</sup>
- "Mathematical Proof and the Reliability of DNA Evidence", *Annual Meeting of the Texas Section of the Mathematical Association of America*, Lubbock, Texas, 1996.<sup>31</sup>
- "Rationality, Human Nature, and Hobbes' Third Law", *Annual Meeting of the Metaphysical Society of America*, Nashville, Tennessee, 1997.
- "Intentional Gaps in Mathematical Proofs", *International Meeting on Logic and Mathematical Reasoning*, Mexico City, Mexico, 1997.<sup>32</sup>

- "Trailblazing and Trail Following: An Essay on Mathematical Proof", *Spring Meeting of the Southwestern Section of the Mathematical Association of America*, Tucson, Arizona, 1998.
- "The Reliability of Randomized Algorithms", [Workshop on "Probabilistic Logic and Randomised Computation"](#), [10th European Summer School in Logic, Language and Information](#), Saarbruecken, Germany, 1998.<sup>33</sup>
- "Signaling Theory and Internet Epistemology", *WebNet-98 - World Conference of the WWW, Internet, and Intranet*, Orlando, Florida, 1998.<sup>34</sup>
- "[How to Make Information on the Internet More Verifiable](#)", *Mid-Year Meeting of the American Society for Information Science*, Pasadena, California, 1999.
- "[Inaccurate Consumer Health Information on the Internet: Criteria for Evaluating Potential Solutions](#)", *Annual Symposium of the American Medical Informatics Association*, Washington, DC, 1999.
- "[Goldman's V-value and the Declining Marginal Utility of Truth](#)", *Pacific Division Meeting of the American Philosophical Association*, Albuquerque, New Mexico, 2000.
- (with Kay Mathiesen) "Consistency Rules for Classification Schemes", *6th International Conference of the International Society for Knowledge Organization*, Toronto, Canada, 2000.
- "Measures of Epistemic Utility and the Value of Experiments", *17th Biennial Meeting of the Philosophy of Science Association*, Vancouver, Canada, 2000.<sup>35</sup>
- "[Goldman on Probabilistic Inference \(or Who Shot Miles Archer?\)](#)", *Pacific Division Meeting of the American Philosophical Association*, San Francisco, California, 2001.
- "[Social Epistemology and LIS: How to Clarify Our Epistemic Objectives](#)", *29th Annual Conference of the Canadian Association for Information Science*, Québec, Canada, 2001.
- "[Information Science and Epistemic Utility Theory](#)", *Annual Meeting of the American Society for Information Science and Technology*, Washington, DC, 2001.
- (with Martin Frické) "[Verifiable Health Information on the Internet](#)", *AusWeb02 - 8th Australian World Wide Web Conference*, Queensland, Australia, 2002.<sup>36</sup>
- "[What Do Mathematicians Want?: Probabilistic Proofs and the Epistemic Goals of Mathematicians](#)", *Eastern Division Meeting of the American Philosophical Association*, Philadelphia, Pennsylvania, 2002.<sup>37</sup>
- (with Kay Mathiesen) "What Do *We* Know?: Collective Knowledge and Collective Knowers", *5th St. Louis Philosophy of Social Science Roundtable*, St. Louis, Missouri, 2003.<sup>38</sup>
- "Information Ethics and Epistemology", [Information Ethics Roundtable](#), North Adams, Massachusetts, 2003.
- "Epistemic Value Theory and the Economics of the Digital Divide", [Computing and Philosophy Conference](#), Canberra, Australia, 2003.
- "[Teaching Ethics for Information Professionals](#)", *Annual Conference of the American Library Association*, Orlando, Florida, 2004.
- (with Kay Mathiesen) "Collective Epistemic Goals", [Collective Intentionality IV](#), Siena, Italy, 2004.
- "The Epistemology of Intellectual Property", [Information Ethics Roundtable](#), Montclair, New Jersey, 2005.<sup>39</sup>

- "How Valuable is True Belief? A Critique of Goldman's Veritistic Value Theory", *Spring Meeting of the New Jersey Regional Philosophical Association*, Glassboro, New Jersey, 2005.
- "Epistemic Value Theory and Judgment Aggregation", (*invited lecture*), *Episteme Conference on Social Epistemology*, Amherst, Massachusetts, 2005.<sup>40</sup>
- "Applied Epistemology and Philosophy of Information", [European Computing and Philosophy Conference](#), Trondheim, Norway, 2006.
- "[Applying Epistemology to Information Policy Decisions](#)", *Annual Meeting of the American Society for Information Science and Technology*, Austin, Texas, 2006.<sup>41</sup>
- "Toward an Epistemology of Wikipedia", [Knowledge Rights and Information Sharing in the 21st Century](#), Orlando, Florida, 2008.<sup>42</sup>
- "Resolving Horgan's Strengthened Two Envelope Paradox", *Central Division Meeting of the American Philosophical Association*, Chicago, Illinois, 2008.
- "Probabilistic Proofs and the Collective Epistemic Goals of Mathematicians", [Workshop on Collective Epistemology](#), Basel, Switzerland, 2008.
- "[A Conceptual Analysis of Disinformation](#)", *iConference*, Chapel Hill, North Carolina, 2009.<sup>43</sup>
- "A Gricean Approach to Bullshit", Philosophy Club, University of Arizona, 2009.
- (with Adam Arico) "Folk Intuitions about Lying", [Information Ethics Roundtable](#), Tucson, Arizona, 2009.
- "The Social Epistemology of Disinformation", *Pacific Division Meeting of the American Philosophical Association*, Vancouver, Canada, 2009.<sup>44</sup>
- "Ethics for 21st Century Library Professionals", (*invited lecture*), [IV Jornado Bibliotecológica de Baja California](#), Tijuana, Mexico, 2009.
- "An Analysis of Disinformation", [Annual Meeting of the American Society for Information Science and Technology](#), Pittsburgh, Pennsylvania, 2010.
- "What is Deceptive Lying?", *Pacific Division Meeting of the American Philosophical Association*, San Diego, California, 2011.
- "Lying and Grice's Maxims of Quality", (*invited lecture*), [Workshop on "Lying, Saying, and Meaning"](#), Oslo, Norway, 2011.<sup>45</sup>
- "Davidson was Almost Right about Lying", (*invited lecture*), [Workshop on "Lying and Insincerity"](#), St. Andrews, Scotland, 2011.<sup>46</sup>
- "Protecting Privacy, Blocking Knowledge, and Lying", (*invited lecture*), [Episteme Conference on Epistemological Problems of Privacy and Secrecy](#), Delft, The Netherlands, 2012.
- "What is Disinformation?", (*invited lecture*), [Workshop on "Information Quality"](#), Hatfield, England, 2012.<sup>47</sup>
- "Kant versus Skyrms on Universal Deception", *Pacific Division Meeting of the American Philosophical Association*, San Francisco, California, 2013.
- "What is Disinformation?", (*invited lecture*), [Security and Human Behavior](#), Los Angeles, California, 2013.
- "Are Bald-Faced Lies Deceptive After All?", *Central Division Meeting of the American Philosophical Association*, Chicago, Illinois, 2014.
- "A Functional Analysis of Disinformation", *iConference*, Berlin, Germany, 2014.
- "Frankfurt Wasn't Bullshitting!", *Annual Conference of the New Mexico Texas Philosophical Society*, El Paso, Texas, 2014.<sup>48</sup>

- "Deceptive Lying and Access to Quality Information", [Sixth Workshop on the Philosophy of Information](#), Durham, North Carolina, 2014.
- "Shedding Light on Keeping People in the Dark", (*invited lecture*), *International Workshop on Lying and Deception*, Mainz, Germany, 2014.<sup>49</sup>
- (with Andreas Stokke) "Bullshit, Truth, and Inquiry", (*invited lecture*), *International Workshop on Lying and Deception*, Mainz, Germany, 2014.
- (with Kay Mathiesen) "The Collective Epistemology of Political Lying", (*invited lecture*), [Sawyer Seminar on Collective Epistemology](#), Evanston, Illinois, 2014.<sup>50</sup>
- "What is Deceptive Lying?", (*invited lecture*), [Workshop on "New Work on Lying"](#), Oslo, Norway, 2015.
- "Adversarial Epistemology on the Internet", (*invited lecture*), [Workshop on "Information and the Internet"](#), Copenhagen, Denmark, 2015.<sup>51</sup>
- (with Peter Lewis) "Accuracy, Conditionalization, and Probabilism", *Biennial Meeting of the Philosophy of Science Association*, Atlanta, Georgia, 2016.
- "What Lies in the Future?", (*invited lecture*), [Workshop on "The Invention of Lying: Language, Logic & Cognition"](#), Leiden, The Netherlands, 2017.
- "Misinformation and Fake News", (*invited lecture*), [Decepticon](#), Palo Alto, California, 2017.
- "Adversarial Epistemology" (*invited lecture*), *Conference in Honor of Alvin Goldman*, New Brunswick, New Jersey, 2018.
- (with Kay Mathiesen) "Fake News is Counterfeit News", (*invited lecture*), *International Symposium on Political Lying and Deception*, Bogotá, Colombia, 2019.<sup>52</sup>
- "Deepfakes, the Infocalypse, and the Epistemic Value of Photographs", [Bodaken Philosophy Symposium Workshop](#), Fort Collins, Colorado, 2019.<sup>53</sup>
- "The Epistemology of Dissimulation", (*virtual*), [Deception Workshop](#), Barcelona, Spain, 2021.
- (with Peter Lewis) TBA, [Boulder Workshop in Formal Value Theory](#), forthcoming.

#### Commentaries:

- [Comments on "Toward a More Truly Social Epistemology" by William Talbott](#), *Conference In Honor of Alvin Goldman*, Tucson, Arizona, 2001.
- [Comments on "Welfare, Voting and the Constitution of a Federal Assembly: A Monte Carlo Simulation" by Luc Bovens](#), *Pacific Division Meeting of the American Philosophical Association*, Seattle, Washington, 2002.
- [Comments on "Goldman on Knowledge as True Belief" by Pierre Le Morvan](#), *Pacific Division Meeting of the American Philosophical Association*, Pasadena, California, 2004.
- Comments on "Do Indigenous Peoples Have a Right to Cultural Privacy?" by Michael Brown, *Information Ethics Roundtable*, North Adams, Massachusetts, 2004.
- Comments on "How to Collaborate" by Paul Thagard, *Spindel Conference on Social Epistemology*, Memphis, Tennessee, 2005.
- [Comments on "Prisoner's Dilemma: The Hard Problem" by Lee Shepski](#), *Pacific Division Meeting of the American Philosophical Association*, Portland, Oregon, 2006.
- [Comments on "Margins of Error in Value Comparisons" by Nicolas Espinoza](#), *Pacific Division Meeting of the American Philosophical Association*, San Francisco, California, 2007.

- [Comments on "The Verizon v. RIAA Case Revisited: Some Further Reflections on the Tension between Privacy and Property Interests" by Frances Grodzinsky](#), *Information Ethics Roundtable*, New York, New York, 2008.
- [Comments on "The Measure of Knowledge" by Nick Treanor](#), *Bellingham Summer Philosophy Conference*, Bellingham, Washington, 2009.
- [Comments on "Reflection and Social Metacognition" by Christopher Lepock](#), *Pacific Division Meeting of the American Philosophical Association*, San Francisco, California, 2010.
- [Comments on "Moorean Sentences, Sincerity and Norms of Assertion" by Alexander Pruss](#), *Central Division Meeting of the American Philosophical Association*, Minneapolis, Minnesota, 2011.
- [Comments on "Lying with Conditionals" by Roy Sorensen](#), *Pacific Division Meeting of the American Philosophical Association*, Seattle, Washington, 2012.
- [Comments on "Queen Christiana's Hermaphroditism: Why the Dead Have No Right to Privacy" by James S. Taylor and "Adapting to Digital Environments: Evolutionary Ethics and the Challenge of Privacy" by Chris Sula](#), *Information Ethics Roundtable*, New York, New York, 2012.
- [Comments on "Fostering the Business of Innovation" by Robert Gomulkiewicz](#), *Information Ethics Roundtable*, Seattle, Washington, 2013.
- Comments on "A Defense of Social Cognitive Theory in Virtue Ethics" by Mayra Valadez, *Annual Conference of the New Mexico Texas Philosophical Society*, El Paso, Texas, 2014.
- [Comments on "Double-Halfer Embarrassment Diminished: A Reply to Titelbaum" by Joel Pust](#), *Pacific Division Meeting of the American Philosophical Association*, San Diego, California, 2018.
- [Comments on "Climate Change and Bad Epistemic Neighborhoods" by Säde Hormio](#), (virtual), *Pacific Division Meeting of the American Philosophical Association*, San Francisco, California, 2021.

## GRANTS AND CONTRACTS

- Research Grant (\$500), Organized Research Initiative on Scientific Explanation, [University of California, Irvine](#), 1994.
- Foreign Travel Grant (\$1,000), [Association for Symbolic Logic](#), 1995.
- Foreign Travel Grant (*seven times*, \$4,200 total), [International Affairs, University of Arizona](#), 1997-2006.
- ALISE Research Grant Award for "Verifiable Health Information on the Internet" (50% effort; co-PI; \$5,000), [Association for Library and Information Science Education](#), 2000.
- Stipend to participate in an [NEH Summer Seminar](#) on "Proofs and Refutations in Mathematics Today" at Case Western Reserve University (\$3,700), [National Endowment for the Humanities](#), 2001.
- Information Science and Information Technology (TRIF) Grant for research on "Verifiable Health Information on the Internet" (50% effort; co-PI; \$8,000), [University of Arizona](#), 2002.



- Information Science and Information Technology (TRIF) Grant for research on "Identifying Health Expertise on the Internet" (50% effort; co-PI; \$10,000), [University of Arizona](#), 2002.
- Academic Year Proposal Development Award for "An Epistemological Framework for Evaluating Information Technology" (\$4,000), [University of Arizona](#), 2004.
- Mini-Conference Grant to put on the *2006 Information Ethics Roundtable* (25% effort, co-PI, \$1,900), [American Philosophical Association](#), 2005.
- Grant to host *2007 ISI Samuel Lazerow Memorial Lecture* (\$1,500), [Thomson Scientific](#), 2006.
- International Visitors Fund Grant to host *2007 ISI Samuel Lazerow Memorial Lecture* (\$400), [University of Arizona](#), 2006.
- Grant to put on the *2007 Information Ethics Roundtable* on "Indigenous Knowledge and Cultural Property" (50% effort, co-PI, \$8000), [Morris K. Udall Foundation](#), 2006.
- Grant to put on the *2007 Information Ethics Roundtable* (50% effort, co-PI, \$1000), [Arizona Library Association](#), 2007.
- Grant to host *2008 ISI Samuel Lazerow Memorial Lecture* (\$1,500), [Thomson Scientific](#), 2007.
- Unit Research Activity Funding (URAF) Grant to put on the *2009 Information Ethics Roundtable* on "Misinformation and Disinformation" (50% effort, co-PI, \$5000), [College of Social and Behavioral Sciences](#), [University of Arizona](#), 2008.
- Grant to put on the *2009 Information Ethics Roundtable* (50% effort, co-PI, \$1000), [Arizona Library Association](#), 2008.
- Foreign Travel Grant (\$250), [U.S. Consulate General Tijuana](#), 2009.
- Faculty Research Development Grant (\$1,400), [International Affairs](#), [University of Arizona](#), 2011.

## TEACHING EXPERIENCE

### Instructor:

- Knowledge in a Digital World,
- The Philosophy and Ethics of Lying and Deception,
- Introduction to Philosophy,
- Science and Pseudoscience, at [Northeastern University](#), 2019-present.
- [Foundations of Information and Inference](#),
- [Knowledge in a Digital World](#),
- [Ethics for Library and Information Professionals](#),
- [Information Quality](#),
- [Philosophy of Lying and Truth-Telling](#),
- [Decision Making for Library and Information Professionals](#),
- [Social Epistemology and Information Science](#),
- [Verifiable Information](#),
- [Economics of Information](#),
- [Systems Analysis and Evaluation](#),
- [Knowledge Structures](#),
- [Operations Research for Libraries](#),
- [Game Theory and Information](#), at the [University of Arizona](#), 1997-2018.

- Logic and Critical Thinking, at [Fullerton College](#), 1997.
- Knowledge and the Information Age, at the [Massachusetts College of Liberal Arts](#), 2003.

### Teaching Associate:

- Humanities Core Course, at the [University of California, Irvine](#), 1992 and 1994.

### Teaching Assistant:

- Symbolic Logic,
- Contemporary Moral Problems,
- Problems of Philosophy,
- Introduction to Ethics,
- Medieval Philosophy,
- Contemporary Philosophy,
- Set Theory,
- Metalogic, at the [University of California, Irvine](#), 1988-1995.

## NOTES

<sup>1</sup> See the discussion of this article in the [Stanford Encyclopedia of Philosophy](#).

<sup>2</sup> See [Etica & Politica](#), **14**, 1, (2012): 306-307 for Floridi's response.

<sup>3</sup> See Andreas Stokke's response to this article in the [Australasian Journal of Philosophy](#), **95**, 1, (2017): 178-183.

<sup>4</sup> This article looks at Alvin Goldman's project in *Knowledge in a Social World* (Oxford University Press, 1999) from the perspective of information science. See pp. 331-332 in the same issue for Goldman's response.

<sup>5</sup> See John Artz's review of this article in [Computing Reviews](#) from the ACM.

<sup>6</sup> This article has been reprinted in [Global Information Technologies: Concepts, Methodologies, Tools, and Applications](#), ed. Felix B. Tan, Information Science Reference (2008): 3091-3104.

<sup>7</sup> See pp. 52-54 in the same issue for Marc Meola's response to this article.

<sup>8</sup> This is an abridged and revised version of my "Toward an Epistemology of Wikipedia." See the discussion of this article in the [Stanford Encyclopedia of Philosophy](#).

<sup>9</sup> See Jessica Wittmer's review of this article on [Amazon.com](#). Wittmer claims that there are at least two philosophical mistakes in this article. First, she claims that "the Principal Principle has little to do with how probability should guide one's life." However, if a principle of this sort (i.e., one that says how subjective probabilities should relate to objective chances) is not guiding her life, she is in serious trouble (and not just at the poker table).

Now, there are certainly other principles that should also guide one's life. Most notably, if your subjective probabilities are not coherent (e.g., if you assign a probability of 0.9 to a coin coming up heads and a probability of 0.9 to that coin coming up tails), you are subject to a [Dutch Book](#). That is, there is set of bets that you consider fair that is *guaranteed* to cost you money.

But if your subjective probabilities do not match the objective chances (e.g., if you assign a probability of 0.9 to a *fair* coin coming up heads), there is a bet that you consider fair that is *objectively likely* to cost you money even if your subjective probabilities are coherent. See, e.g., page 218 of "[Probability as a Guide to Life](#)" by Helen Beebe and David Papineau.

Wittmer does not even say what she thinks the second mistake in this article is. (She leaves finding it as an exercise for the reader.) As a result, it is harder for me to pin down why she is wrong about that one.

<sup>10</sup> See Cristian Calude's review of this article in [MathSciNet](#) from the AMS.

<sup>11</sup> See A. A. Mullin's review of this article in [MathSciNet](#) from the AMS. See critical discussions of this article by [Kenny Easwaran](#) and [Jeffrey C. Jackson](#) in [Philosophia Mathematica](#). Also, see the discussion of this article in the [Stanford Encyclopedia of Philosophy](#).

<sup>12</sup> See pp. 389-395 in the same issue for Aaron Lercher's response to this article.

<sup>13</sup> See [Library Quarterly](#), **72**, 3, (2002): 275-293 for Tony Doyle's critical discussion of this article.

<sup>14</sup> See the [Journal of the American Medical Informatics Association](#), **9**, 4, (2002): 402-403 for Dr. Carroll, Dr. Saluja, and Dr. Tarczy-Hornoch's response to this article.

- <sup>15</sup> The results in this manuscript are cited by Alvin Goldman in "Quasi-objective Bayesianism and Legal Evidence", *Jurimetrics*, **42**, 3, (2002): 237-260, in "Reply to Commentators", *Philosophy and Phenomenological Research*, **64**, 1, (2002): 215-227, and in *Pathways to Knowledge*, Oxford University Press, (2002).
- <sup>16</sup> Cited by Pierre Le Morvan in "Goldman on Knowledge as True Belief", *Erkenntnis*, **62**, 2, (2005):145-155.
- <sup>17</sup> See *Library Journal*, **125**, 3, (2000): 134-136 for reader responses. The original article has also been reprinted in the [Section on Education and Training Bulletin](#), **1**, 3, (2000) of the [International Federation of Library Associations and Institutions](#).
- <sup>18</sup> An earlier version of this talk was presented to the Department of Philosophy and the Department of Mathematics, Texas Tech University, 1996.
- <sup>19</sup> An earlier version of this talk was presented at the *Spring Meeting of the Southwestern Section of the Mathematical Association of America*, Silver City, New Mexico, 1999.
- <sup>20</sup> An earlier version of this talk was presented to the School of Library and Information Science, Indiana University, 2000.
- <sup>21</sup> An earlier version of this talk was presented to the Department of Philosophy, Massachusetts College of Liberal Arts, 2000.
- <sup>22</sup> An earlier version of this talk was presented to the Department of Philosophy, Northern Arizona University, 2002, to the Department of Philosophy, Massachusetts College of Liberal Arts, 2003, and to the School of Information Science and Policy, State University of New York at Albany, 2003.
- <sup>23</sup> An earlier version of this talk was presented to the Department of Philosophy, Massachusetts College of Liberal Arts, 2004, to the School of Information Resources and Library Science, University of Arizona, 2004, and to the Department of Philosophy, University of Arizona, 2004.
- <sup>24</sup> An earlier version of this talk was presented to the Department of Library and Information Science, Rutgers University, 2004 and to the Department of Philosophy and Religion, Montclair State University, 2005.
- <sup>25</sup> An earlier version of this talk was presented at the *Pacific Division Meeting of the American Philosophical Association*, Pasadena, California, 2008, to the Department of Philosophy, University of Arizona, 2008, to the Philosophy Club, John Jay College of Criminal Justice, 2007, and to the Philosophy Club, Rutgers University, 2007.
- <sup>26</sup> An earlier version of this talk was presented to a seminar on "Ethics of Technology", Eindhoven University of Technology, 2012 and to the Freedom Center, University of Arizona, 2012.
- <sup>27</sup> An earlier version of this talk was presented to the Freedom Center, University of Arizona, 2016 and to the School of Information, University of Arizona, 2016.
- <sup>28</sup> An earlier version of this talk was presented to the School of Information, University of Arizona, 2017.
- <sup>29</sup> An earlier version of this talk was presented at the UA-ASU Cognitive Science Conclave, Arizona State University, 2016, to the School of Information, University of Arizona, 2017, to the Master Seminar on the "Foundations of Judgment and Decision Making", University of Arizona, 2017, to the Department of Philosophy, University of Miami, 2017, to the Department of Logic and Philosophy of Science, University of California, Irvine, 2018, and to the Department of Philosophy, Arizona State University, 2018.
- <sup>30</sup> An earlier version of this talk was presented at the *Winter Meeting of the Association for Symbolic Logic*, San Francisco, California, 1995.
- <sup>31</sup> An earlier version of this talk was presented to the Department of Philosophy, University of California, Irvine, 1995 and at the *Joint Meeting of the Northern and Southern California Sections of the Mathematical Association of America*, San Luis Obispo, California, 1995.
- <sup>32</sup> An earlier version of this talk was presented at the *Fall Meeting of the Southern California Section of the Mathematical Association of America*, Fullerton, California, 1996.
- <sup>33</sup> An earlier version of this talk was presented at the *Spring Meeting of the Association for Symbolic Logic*, Los Angeles, California, 1998 and at the *Computing and Philosophy Conference*, Pittsburgh, Pennsylvania, 1996.
- <sup>34</sup> An earlier version of this talk was presented at the *Computing and Philosophy Conference* (held as part of the *20th World Congress of Philosophy*), Boston, Massachusetts, 1998.
- <sup>35</sup> An earlier version of this talk was presented to the Interdisciplinary Workshop on "Normative versus Cognitive-Descriptive Aspects of Probability and Utility: An Encounter with Richard C. Jeffrey", University of Arizona, 2000.
- <sup>36</sup> An earlier version of this talk was presented at the *Annual Conference of the Association for Library and Information Science Education*, Washington, DC, 2001, at the *Annual Conference of the Association for Library and Information Science Education*, San Antonio, Texas, 2000, and at the *Annual Conference of the Arizona Library Association*, Phoenix, Arizona, 2000.
- <sup>37</sup> An earlier version of this talk was presented at an [International Conference on "Perspectives on Mathematical Practices"](#), Brussels, Belgium, 2002, at the *Annual Meeting of the Canadian Society for History and Philosophy of*

*Mathematics*, Québec, Canada, 2001, and to the Department of Mathematics, Massachusetts College of Liberal Arts, 2001.

<sup>38</sup> An earlier version of this talk was presented to the Department of Philosophy, Middlebury College, 2003 and to the Department of Philosophy, Charles Sturt University, 2003.

<sup>39</sup> An earlier version of this talk was presented at the [Computing and Philosophy Conference](#), Pittsburgh, Pennsylvania, 2004.

<sup>40</sup> An earlier version of this talk was presented to the Department of Philosophy, University of Arizona, 2005 and to the Department of Logic and Philosophy of Science, University of California, Irvine, 2005.

<sup>41</sup> An earlier version of this talk was presented to the School of Information Resources and Library Science, University of Arizona, 2006.

<sup>42</sup> An earlier version of this talk was presented at the [North American Computing and Philosophy Conference](#), Chicago, Illinois, 2007 and to the School of Information Resources and Library Science, University of Arizona, 2007.

<sup>43</sup> An earlier version of this talk was presented at the [North American Computing and Philosophy Conference](#), Chicago, Illinois, 2007 and to the School of Information Resources and Library Science, University of Arizona, 2006.

<sup>44</sup> An earlier version of this talk was presented at the [Information Ethics Roundtable](#), Tucson, Arizona, 2009.

<sup>45</sup> An earlier version of this talk was presented to the Philosophy Club, University of St. Andrews, 2011 and to a seminar on "Lies and Deception", Yale University, 2011.

<sup>46</sup> An earlier version of this talk was presented to the Department of Philosophy, University of Sheffield, 2011, at the *Annual Conference of the New Mexico West Texas Philosophical Society*, Las Cruces, New Mexico, 2012, and at the *Eastern Division Meeting of the American Philosophical Association*, Atlanta, Georgia, 2012.

<sup>47</sup> An earlier version of this talk was presented to the School of Information Resources and Library Science, University of Arizona, 2012 and to the Philosophy Club, University of Arizona, 2013.

<sup>48</sup> An earlier version of this talk was presented to the School of Information Resources and Library Science, University of Arizona, 2013 and to the Philosophy Club, University of Arizona, 2013.

<sup>49</sup> An earlier version of this talk was presented to the Information Quality Research Group, Lund University, 2014, to the Department for the Study of Culture, University of Southern Denmark, 2014, to the Department of Philosophy, University of Utah, 2014, at the [Information Ethics Roundtable](#), Madison, Wisconsin, 2015, at the Cognitive Science Brown Bag, University of Arizona, 2015, and at the [Annual Meeting of the International Association for Computing and Philosophy](#), Palo Alto, California, 2017.

<sup>50</sup> An earlier version of this talk was presented to the Freedom Center, University of Arizona, 2014.

<sup>51</sup> An earlier version of this talk was presented to the Tanner Humanities Center, University of Utah, 2015.

<sup>52</sup> An earlier version of this talk was presented to the Department of Philosophy, Chapman University, 2018.

<sup>53</sup> An earlier version of this talk was presented at [Under Pressure: Truth, Trust and Democracy](#), London, United Kingdom, 2019, the [Canadian Society for Epistemology Conference](#), Montreal, Canada, 2019, and at the *International Symposium on Political Lying and Deception*, Bogotá, Colombia, 2019.

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