

## Justin B. Biddle, PhD

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Associate Professor

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### I. Education

- Ph.D., History and Philosophy of Science, University of Notre Dame, USA, *summa cum laude* (July 2006)
- M.A., History and Philosophy of Science, University of Notre Dame, USA, *summa cum laude* (August 2005)
- B.S., Physics, University of Dayton, USA, *summa cum laude* (May 1999)
- B.A., Philosophy, University of Dayton, USA, *summa cum laude* (May 1999)

### II. Employment History

- Associate Professor, School of Public Policy, Georgia Institute of Technology, (March 2015 – present)
- Assistant Professor, School of Public Policy, Georgia Institute of Technology, (August 2009 – March 2015)
- Postdoctoral Fellow (*Wissenschaftlicher Mitarbeiter*), Department of Philosophy, Bielefeld University, Germany (April 2006 – July 2009)

### III. Honors and Awards (selected)

- Senior Fellow of SOCRATES (“Social Credibility and Trustworthiness of Expert Knowledge and Science-Based Information”), a German Research Foundation Centre for Advanced Studies, at the Leibniz Universität Hannover, Hannover, Germany (Spring 2025)
- Distinguished Fellow at the Notre Dame Institute for Advanced Study (Spring 2014)
- Fellow of the German Research Foundation (DFG) Research Group on Science in the Context of Application, Center for Interdisciplinary Research, Bielefeld University, Bielefeld, Germany (2006-2007)

### IV. Publications (selected)

- Biddle, J. (2007). “Lessons from the Vioxx Debacle: What the Privatization of Science Can Teach Us about Social Epistemology.” *Social Epistemology* 21: 21-39. <https://doi.org/10.1080/02691720601125472>
- Biddle, J. (2009). “Advocates or Unencumbered Selves? On the Role of Mill’s Political Liberalism in Longino’s Contextual Empiricism.” *Philosophy of Science* 76: 612-623. <https://doi.org/10.1086/605791>
- Biddle, J. and E. Winsberg (2010). “Value Judgements and the Estimation of Uncertainty in Climate Modeling.” In *New Waves in Philosophy of Science*, P.D. Magnus and J. Busch, eds. Basingstoke, Hampshire: Palgrave MacMillan: 172-197.
- Biddle, J. (2011). “Putting Pragmatism to Work in the Cold War: Science, Technology, and Politics in the Writings of James B. Conant.” *Studies in History and Philosophy of Science* 42: 552-561. <https://doi.org/10.1016/j.shpsa.2011.07.002>

- Biddle, J. (2012). "Tragedy of the Anticommons? Intellectual Property and the Sharing of Scientific Information." *Philosophy of Science* 79: 821-832. <https://doi.org/10.1086/667874>
- Biddle, J. (2013). "State of the Field: Transient Underdetermination and Values in Science." *Studies in History and Philosophy of Science* 44: 124-133. <https://doi.org/10.1016/j.shpsa.2012.09.003>
- Biddle, J. (2013). "Institutionalizing Dissent: A Proposal for an Adversarial System of Pharmaceutical Research." *Kennedy Institute of Ethics Journal* 23: 325-353. <https://dx.doi.org/10.1353/ken.2013.0013>
- Biddle, J. (2014). "Can Patents Prohibit Research? On the Social Epistemology of Patenting and Licensing in Science." *Studies in History and Philosophy of Science* 45: 14-23. <https://doi.org/10.1016/j.shpsa.2013.12.001>
- Biddle, J. and A. Leuschner (2015). "Climate Skepticism and the Manufacture of Doubt: Can Dissent in Science be Epistemically Detrimental?" *European Journal for Philosophy of Science* 5: 261-278. <https://doi.org/10.1007/s13194-014-0101-x>
- Biddle, J. (2015). "Intellectual Property in the Biomedical Sciences." In *Routledge Companion to Bioethics*, R. Kukla, J. Arras, and E. Fenton, eds. London: Routledge: 149-161.
- Biddle, J. (2016). "Inductive Risk, Epistemic Risk, and Overdiagnosis of Disease." *Perspectives on Science* 24(2): 192-205. [https://doi.org/10.1162/POSC\\_a\\_00200](https://doi.org/10.1162/POSC_a_00200)
- Biddle, J. (2016). "Intellectual Property Rights and Global Climate Change: A Dilemma." *Ethics, Policy & Environment* 19(3): 310-319. <https://doi.org/10.1080/21550085.2016.1226235>
- Biddle, J. (2017). "Genetically Engineered Crops and Responsible Innovation." *Journal of Responsible Innovation* 4(1): 24-42. <https://doi.org/10.1080/23299460.2017.1287522>
- Biddle, J., I.J. Kidd, and A. Leuschner (2017). "Epistemic Corruption and Manufactured Doubt: The Case of Climate Science." *Public Affairs Quarterly* 31(3): 165-187.
- Biddle, J. and R. Kukla (2017). "The Geography of Epistemic Risk." In *Exploring Inductive Risk*, K. Elliott and T. Richards, eds. Oxford: Oxford University Press: 215-237.
- Biddle, J. (2018). "'Antiscience Zealotry'? Values, Epistemic Risk, and the GMO Debate." *Philosophy of Science* 85: 360-379. <https://doi.org/10.1086/697749>
- Biddle, J. (2020). "Epistemic Risks in Cancer Screening: Implications for Ethics and Policy." *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences* 79: 101200. <https://doi.org/10.1016/j.shpsc.2019.101200>
- Schiff, D., J. Biddle, J. Borenstein, and K. Laas (2020). "What's Next for AI Ethics, Policy, and Governance? A Global Overview." In *AIES'20: Proceedings of the AAAI/ACM Conference on AI, Ethics, and Society*, pp. 153-158. <https://doi.org/10.1145/3375627.3375804>
- Schiff, D., J. Borenstein, J. Biddle, and K. Laas (2021). "AI Ethics in the Public, Private, and NGO Sectors: A Review of a Global Document Collection." *IEEE Transactions on Technology and Society* 2(1): 31-42. <https://doi.org/10.1109/TTS.2021.3052127>
- Schiff, D., K. Laas, J. Biddle, and J. Borenstein (2022). "Global AI Ethics Documents: What They Reveal About Motivations, Practices, and Policies." In K. Laas, M. Davis, & E. Hildt (Eds.), *Codes of Ethics and Ethical Guidelines: Emerging Technologies, Changing Fields*. Springer: 121-143. [https://doi.org/10.1007/978-3-030-86201-5\\_7](https://doi.org/10.1007/978-3-030-86201-5_7)
- Biddle, J. (2022). "On Predicting Recidivism: Epistemic Risk, Tradeoffs, and Values in Machine Learning." *Canadian Journal of Philosophy* 52(3): 321-341. <http://doi.org/10.1017/can.2020.27>
- Biddle, J. (2023). "Values in AI Systems." In G. Robson & J. Tsou (Eds.), *Routledge Companion to Technology Ethics*. New York: Routledge, pp. 132-140.
- Biddle, J. (2024). "Organizations and Values in Science and Technology," *Philosophy of Science* 91: 1159-1168. <https://doi.org/10.1017/psa.2023.145>

- Biddle, J., J. Nelson, and O. Olugbade (2024). “How Can We Know if You’re Serious? Ethics Washing, Symbolic Ethics Offices, and the Responsible Design of AI Systems.” *Canadian Journal of Philosophy* 54(4): 329-345. <https://doi.org/10.1017/can.2025.9>

## V. Service (selected)

- Director, Philosophy Program, School of Public Policy, Georgia Tech (2019-present)
- Director, Georgia Tech Ethics, Technology, and Human Interaction Center (ETHIC<sup>x</sup>) (Fall 2021 – present)
- Georgia Tech representative on the USG Philosophy and Religion Regent’s Advisory Committee (RAC) (Fall 2021-present)
- Georgia Tech Central Institutional Review Board (Spring 2018-present)
- Organizing Committee Member, Society for Philosophy of Science in Practice (2017-present)
- Chair of the Organizing Committee, Society for Philosophy of Science in Practice (2022-present)
- Advisory Board Member, University of Pittsburgh Press series on “Science, Values, and the Public”
- Consultant for the grant, “Exploring the Ethics of the Digital Transformation,” (AKA-290966-23), National Endowment for the Humanities. Awarded to Agnes Scott College, Harald Thorsrud, Project Director (2023-2024)
- Panel Reviewer, NEH Humanities Research Centers on Artificial Intelligence Program (Spring 2025)
- Board Member, Atlanta Regional Commission (ARC) Emerging Technologies Roundtable (ETR) (February 2023 – present)