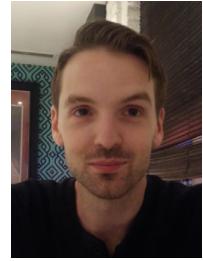


Dr. Mike Stuart
Lecturer
Philosophy
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Research interests

Philosopher of science working on scientific imagination, artificial intelligence, representations, visualizations, and thought experiments. Member of Philosophy in Prisons. More on my personal website.

Qualifications

PhD, Thought Experiments in Science, University of Toronto
Award Date: 30 Jul 2015

Masters, York University
Award Date: 30 Jul 2008

BA, York University
Award Date: 30 Jul 2007

Employment

Lecturer
Lecturer
Philosophy
University of York
Sally Baldwin Buildings Block A, York
1 Aug 2023 → present

Advisor

Philosophy in Prisons
United Kingdom
1 Jan 2020 → present

Research outputs

A New Account of Pragmatic Understanding, Applied to the Case of AI-Assisted Science
Stuart, M., 3 Jul 2025, (E-pub ahead of print) In: Philosophical Studies.

Development of a novel methodology for ascertaining scientific opinion and extent of agreement

Vickers, P., Adamo, L., Alfano, M., Clark, C., Cresto, E., Cui, H., Dang, H., Dellsén, F., Dupin, N., Gradowski, L., Graf, S., Guevara, A., Hallap, M., Hamilton, J., Hardey, M., Helm, P., Landrum, A., Levy, N., Machery, E. & Mills, S. & 16 others, Muller, S., Sheppard, J., N K, S., Slater, M., Stegenga, J., Strandin, H., Stuart, M. T., Sweet, D., Tasdan, U., Taylor, H., Towler, O., Tulodziecki, D., Tworek, H., Wallbank, R., Wiltsche, H. & Mitchell Finnigan, S., 6 Dec 2024, In: PLOS ONE. 19, 12, 24 p., e0313541.

Moving Targets and Models of Nothing: A New Sense of Abstraction for Philosophy of Science

Stuart, M. & Kozlov, A., 30 Sept 2024, *Abstraction in Science and Art*. Ambrosio, C. & Sánchez-Dorado, J. (eds.). Routledge, 25 p.

Successful and Unsuccessful Remembering and Imagining

Stuart, M., McCarroll, C., Lin, Y.-T. & Michaelian, K., 27 Sept 2024, In: *Philosophy and the Mind Sciences*. 5, 7 p., 11736.

Scientific Models and Thought experiments

Stuart, M. & El Skaf, R., 5 Sept 2024, *Handbook of Philosophy of Scientific Modeling*. Knuuttila, T., Carrillo, N. & Koskinen, R. (eds.). Routledge

The role of imagination in making water from moon rocks: How scientists use imagination to break constraints on imagination

Stuart, M. & Sargeant, H., 2 Sept 2024, In: *Analysis*. 14 p., anae015.

Scientific experimental articles are modernist stories

Kozlov, A. & Stuart, M. T., 17 Jul 2024, In: *European Journal for Philosophy of Science*. 14, 3, 23 p., 32.

The Qualitative Study of Scientific Imagination

Stuart, M. T., 1 Jun 2024, In: *Qualitative Psychology*. 11, 2, p. 277-293 17 p.

Inclusivity in the Education of Scientific Imagination

Stuart, M. & Sargeant, H., 23 Feb 2024, *Building Inclusive Ethical Cultures in STEM*. Hildt, E., Laas, K., Brey, E. M. & Miller, C. Z. (eds.). Routledge, p. 267-288 20 p. (International Library of Ethics, Law and Technology; vol. 42).

Scientists Are Epistemic Consequentialists about Imagination

Stuart, M., 1 Jul 2023, In: *Philosophy of Science*. 90, 3, p. 518-538 21 p.

The future won't be pretty: The nature and value of ugly, AI-designed experiments

Stuart, M., 16 Jun 2023, *The Aesthetics of Scientific Experiments*. Ivanova, M. & Murphy, A. (eds.). Taylor & Francis, 19 p.

Feyerabend and the Philosophy of Physics

Stuart, M. & Shaw, J., 6 Apr 2023, In: *International Studies in the Philosophy of Science*. 35, p. 1-4 4 p.

Counterpossibles in science: an experimental study

McLoone, B., Grützner, C. & Stuart, M. T., 11 Jan 2023, In: *Synthese*. 201, 1, 27.

Sharpening the tools of imagination

Stuart, M. T., 31 Oct 2022, In: *Synthese*. 200, 451.

Science funding policy and the COVID-19 pandemic

Sikimić, V., Stuart, M. & Shaw, J., 19 Aug 2022, In: *The International journal of risk & safety in medicine*. 33, 3, p. 211-216 6 p.

Understanding metaphorical understanding (literally)

Stuart, M. & Wilkenfeld, D., 19 Jul 2022, In: *European Journal for Philosophy of Science*. 12, 20 p., 49.

Holism and Reductionism in the Illness/Disease Debate

Stuart, M., Buzzoni, M. & Tesio, L., 9 Apr 2022, *From Electrons to Elephants and Election*. Springer Press, p. 743-778 36 p.

The Productive Anarchy of Scientific Imagination

Stuart, M., 1 Jan 2022, In: *Philosophy of Science*. 87, p. 968-978 11 p.

Guilty Artificial Minds: Folk Attributions of Mens Rea and Culpability to Artificially Intelligent Agents

Stuart, M. T. & Kneer, M., 1 Oct 2021, In: *Proceedings of the ACM on Human-Computer Interaction*. 5, CSCW2, 27 p., 363.

Telling Stories in Science: Feyerabend and Thought Experiments

Stuart, M. T., 8 Apr 2021, In: *HOPoS: The Journal of the International Society for the History of Philosophy of Science*. 11 , 1

Playing the Blame Game with Robots

Kneer, M. & Stuart, M. T., 8 Mar 2021, *HRI '21 Companion: Companion of the 2021 ACM/IEEE International Conference on Human-Robot Interaction*. ACM, p. 407–411 5 p.

The Material Theory of Induction and the Epistemology of Thought Experiments

Stuart, M., 1 Oct 2020, In: *Studies in History and Philosophy of Science*. 83, p. 17-27 11 p.

Everyday Scientific Imagination: A Qualitative Study of the Uses, Norms, and Pedagogy of Imagination in Science

Stuart, M., 2019, In: *Science & Education* .

P-Curving X-Phi: Does Experimental Philosophy Have Evidential Value?

Stuart, M., Machery, E. & Colaço, D., 2019, In: *Analysis*.

Peeking Inside the Black Box: A New Kind of Scientific Visualization.

Stuart, M. & Nersessian, N., 2019, In: *Minds and Machines*.

The Role of Imagination in Social Scientific Discovery: Why Machine Discoverers Will Need Imagination Algorithms

Stuart, M., 2019, *Scientific Discovery in the Social Sciences*. Springer, Berlin, Heidelberg

Towards a Dual Process Epistemology of Imagination

Stuart, M., 2019, In: *Synthese*.

How Thought Experiments Increase Understanding

Stuart, M., 2018, *The Routledge Companion to Thought Experiments*. Routledge

The Content-Dependence of Imaginative Resistance

Stuart, M., Kneer, M. & Kim, H., 2018, *Advances in Experimental Philosophy of Aesthetics*.

The Routledge Companion to Thought Experiments

Stuart, M., Brown, J. & Fehige, Y., 2018, Routledge.

Imagination: A Sine Qua Non of Science

Stuart, M., 2017, In: *Croatian Journal of Philosophy*.

Norton and the Logic of Thought Experiments

Stuart, M., 2016, In: *Global Philosophy*.

Taming Theory with Thought Experiments: Understanding and Scientific Progress

Stuart, M., 2016, In: *Studies in History and Philosophy of Science*.

Activities

A Pragmatist Epistemology of Scientific Imagination

Stuart, M. (Keynote/plenary speaker)

2025

Explanation, Narrative, and Understanding in the Social Sciences, HKUST, Hong Kong

Stuart, M. (Speaker)

2025

Joint meeting of the Asia Pacific Philosophy of Science Association and Logic, Methodology and Philosophy of Science and Technology, National Yang Ming Chiao Tung University (NYCU), Taiwan
Stuart, M. (Speaker)
2025

Philosophy of science meets robotics
Stuart, M. (Invited speaker)
2025

Artist in Conversation: Rashaad Newsome and Dr Michael T. Stuart
Stuart, M. (Invited speaker)
29 May 2024

Lessons for and about Scientific Imagination
Stuart, M. (Keynote/plenary speaker)
2024

Prizes

Ambizione Fellowship
Stuart, M. (Recipient), 2018

Research Fellowship in AI Ethics
Stuart, M. (Recipient), 2020

Social Sciences and Humanities Research Council of Canada Postdoctoral Fellowship
Stuart, M. (Recipient), 2016