

Dept. of Philosophy, Logic and Scientific Method  
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# Remco Heesen

## Areas of Specialization

- Philosophy of Science
- Decision and Game Theory
- Epistemology (especially formal and social epistemology)
- Social Structure of Science

## Areas of Competence

- Logic
- Ethics

## Employment

- 2023– **Assistant Professor (tenure-track)**, *London School of Economics and Political Science*, Department of Philosophy, Logic and Scientific Method
- 2019–2023 **Senior Lecturer in Philosophy**, *University of Western Australia*, School of Humanities
- 2019–2023 **Postdoctoral Researcher**, *University of Groningen*  
Primary Investigator on the project “Understanding Statistical Biases in Peer Review”, carried out in the Department of Theoretical Philosophy.
- 2016–2019 **Postdoctoral Research Fellow**, *University of Cambridge*  
Primary Investigator on the project “Organizing Science: The Social Epistemology of Scientists and Their Incentives”, carried out in the Faculty of Philosophy. Secondary appointment as Junior Research Fellow in St Edmund’s College (2017–2019).

## Education

- 2016 **PhD**, *Carnegie Mellon University*, Logic, Computation and Methodology
- 2013 **MS**, *Carnegie Mellon University*, Logic, Computation and Methodology
- 2010 **MSc (with distinction)**, *London School of Economics and Political Science*, Philosophy and History of Science
- 2009 **MSc (cum laude)**, *Tilburg University*, Operations Research and Management Science
- 2009 **BA (cum laude)**, *Tilburg University*, Philosophy
- 2008 **BSc (cum laude)**, *Tilburg University*, Econometrics and OR

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## Peer-Reviewed Publications

- forthcoming Marcus Arvan, Liam Kofi Bright and Remco Heesen. “Jury Theorems for Peer Review.” *British Journal for the Philosophy of Science*. 🌐 Published (OA = open access)
- forthcoming Remco Heesen. “Cumulative Advantage and the Incentive to Commit Fraud in Science.” *British Journal for the Philosophy of Science*. 🌐 Published (OA)
- 2023 Anne Schwenkenbecher, Remco Heesen, et al. “Epistemology of Ignorance: The Contribution of Philosophy to the Science-Policy Interface of Marine Biosecurity.” *Frontiers in Marine Science* 10: 1–5. 🌐 Published (OA)  
Third named out of seven authors (the first three authors led the paper).
- 2023 Don van Ravenzwaaij, Remco Heesen, et al. “Perspectives on Scientific Error.” *Royal Society Open Science* 10(7): 230448. 🌐 Published (OA)  
Third named out of fifteen authors (the first five authors led the paper).
- 2023 Remco Heesen and Jan-Willem Romeijn. “Measurement Invariance, Selection Invariance, and Fair Selection Revisited.” *Psychological Methods* 28(3): 687–690. 🌐 Published 🌐 Penultimate
- 2023 Liam Kofi Bright and Remco Heesen. “To be Scientific is to be Communist.” *Social Epistemology* 37(3): 249–258. 🌐 Published (OA)
- 2022 Remco Heesen. “The Necessity of Commensuration Bias in Grant Peer Review.” *Ergo* 8(39): 423–443. 🌐 Published (OA)
- 2021 Remco Heesen and Liam Kofi Bright. “Is Peer Review a Good Idea?” *British Journal for the Philosophy of Science* 72(3): 635–663. 🌐 Published (OA)
- 2019 Remco Heesen and Jan-Willem Romeijn. “Epistemic Diversity and Editor Decisions: A Statistical Matthew Effect.” *Philosophers’ Imprint* 19(39): 1–20. 🌐 Published (OA)
- 2019 Remco Heesen. “The Credit Incentive to be a Maverick.” *Studies in History and Philosophy of Science* 76: 5–12. 🌐 Published (OA)
- 2019 Remco Heesen, Liam Kofi Bright and Andrew Zucker. “Vindicating Methodological Triangulation.” *Synthese* 196(8): 3067–3081. 🌐 Published (OA)
- 2018 Remco Heesen. “Why the Reward Structure of Science Makes Reproducibility Problems Inevitable.” *The Journal of Philosophy* 115(12): 661–674. 🌐 Published 🌐 Penultimate
- 2018 Remco Heesen. “When Journal Editors Play Favorites.” *Philosophical Studies* 175(4): 831–858. 🌐 Published (OA)  
Included in *The Philosopher’s Annual* vol. 38 (2018). 🌐 Editorial
- 2018 Liam Kofi Bright, Haixin Dang and Remco Heesen. “A Role for Judgment Aggregation in Coauthoring Scientific Papers.” *Erkenntnis* 83(2): 231–252. 🌐 Published (OA)

- 2017 Remco Heesen. “Communism and the Incentive to Share in Science.” *Philosophy of Science* 84(4): 698–716. 🌐 Published 🌐 Penultimate
- 2017 Remco Heesen. “Academic Superstars: Competent or Lucky?” *Synthese* 194(11): 4499–4518. 🌐 Published (OA)
- 2016 Remco Heesen and Pieter van der Kolk. “A Game-Theoretic Approach to Peer Disagreement.” *Erkenntnis* 81(6): 1345–1368. 🌐 Published (OA)
- 2015 Remco Heesen. “How Much Evidence Should One Collect?” *Philosophical Studies* 172(9): 2299–2313. 🌐 Published 🌐 Penultimate
- 2011 Jan Sprenger and Remco Heesen. “The Bounded Strength of Weak Expectations.” *Mind* 120(479): 819–832. 🌐 Published 🌐 Penultimate

## Outreach

- Jan 2023 TWS Partners. *Game Changers*, with Remco Heesen. 🌐 Podcast
- 2021–2022 Maarten van Doorn and Remco Heesen. *On Thinking*. Recurring podcast guest. 🌐 Episode 3 🌐 Episode 4 🌐 Episode in Dutch
- Aug 2022 Liam Kofi Bright and Remco Heesen. The Perfect Time to Reform Peer Review. *BJPS Short Reads*. 🌐 Article 🌐 Podcast
- Jun 2022 Remco Heesen and Liam Kofi Bright. Article on peer review in the attention economy (in Dutch). *Th&ma Hoger Onderwijs*.
- Feb 2022 Marcus Arvan, Liam Kofi Bright and Remco Heesen. Why a Crowd-Sourced Peer-Review System Would Be Good for Philosophy. *Daily Nous*. 🌐 Article
- Sep 2021 Should Peer Review Occur Before or After Publication? Invited panelist at Metascience 2021.
- Jul 2021 Rob Wilson and Remco Heesen. Hale School Philosopher in Residence.
- Jul 2021 Is Peer Review a Good Idea? Africa in Science Lecture. 🌐 Video
- Jan 2021 Does Peer Review Live up to its Promise? Invited panelist at APE 2021.
- Dec 2020 Brian L. Frye. Heesen and Bright on Peer Review. *Ipsa Dixit*, 669. 🌐 Podcast
- Nov 2020 Liam Kofi Bright and Remco Heesen. The Head and the Heart: Incentives and Norms. *The Sooty Empiric*. 🌐 Article
- Nov 2020 Science, Trust and Misinformation. Philosophical discussion at Mello House.
- Mar 2020 Scientific Realism. Guest lecture at Christ Church Grammar School.
- Sep 2019 Laura Molenaar. Peer review, reimaged. Interview in *\*Research*. 🌐 Article
- May 2019 Nick Zautra. *Sci Phi Podcast*, ep. 65. Remco Heesen. 🌐 Podcast
- Feb 2019 Jan-Willem Romeijn, Remco Heesen and Hendrik Siebe. Article on opinion formation in groups (in Dutch). *Sociale Vraagstukken*. 🌐 Article 🌐 Mirror
- Jul 2014 Remco Heesen and Konstantin Genin. Introductory discussion of the St. Petersburg Paradox and decision theory at the Swiss Institute. 🌐 Video

- Apr 2011 Remco Heesen and 45 co-authors. *Onze Tijd: Wat is waar?* Exchange of letters on truth, published by Kon. Holl. Mij. der Wetenschappen (in Dutch).
- Dec 2010 Remco Heesen and 21 co-authors. *Zelf Vertrouwen*. Report on trust in society, with my contribution focusing on trust in science (in Dutch). 🌐 Report

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## Book Reviews

- 2019 Thomas Boyer-Kassem, Conor Mayo-Wilson, and Michael Weisberg's "Scientific Collaboration and Collective Knowledge." *Philosophy of Science* 86(1): 192–198. 🌐 Published 🌐 Penultimate

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## External Research Funding

- 2023 **ZiF Research Group**, *Bielefeld University*, €300,000  
Grant for a five-month research group titled "The Epistemology of Evidence-based Policy", awarded to Anne Schwenkenbecher, Remco Heesen, and Chad Hewitt.
- 2019–2023 **NWO Veni**, *Dutch Research Council*, €250,000  
Grant for the project "Understanding Statistical Biases in Peer Review".
- 2016–2019 **Early Career Fellowship**, *The Leverhulme Trust*, £162,000  
Grant for "Organizing Science: The Social Epistemology of Scientists and Their Incentives", including matching funding from Cambridge's Isaac Newton Trust.

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## Prizes and Fellowships

- 2019 **Included in *The Philosopher's Annual***, vol. 38, 2018  
"When Journal Editors Play Favorites" selected among the ten best articles of 2018.
- 2019 **SILFS Prize for Philosophy of Science**, *Italian Society for Logic and the Philosophy of Science*  
Best philosophy of science paper by any scholar under 40, for "The Necessity of Commensuration Bias in Grant Peer Review".
- 2017 **Emanuel Miller Prize**, *St John's College (University of Cambridge)*  
Best philosophy of science paper by any member of the University of Cambridge, for "Why the Reward Structure of Science Makes Reproducibility Problems Inevitable".
- 2014–2015 **Visiting Fellowship**, *Munich Center for Mathematical Philosophy*  
Funding for a three-month visit to Munich.
- 2010 **Imre Lakatos Prize**, *London School of Economics*  
Best master's thesis on philosophy of science of the academic year 2009–2010.
- 2009 **Master's Thesis Award**, *Tilburg University*  
Best master's thesis of the academic year 2008–2009 (university-wide).
- 2009–2010 **HSP Talent Programme**, *Dutch ministry of education*  
Scholarship awarded by the Huygens Scholarship Programme to excellent students continuing their education abroad, covering tuition and living expenses.
- 2009–2010 **VSB Fund Scholarship**, *VSB Fund (Dutch charity)*  
Scholarship for studying abroad, awarded based on motivation.

2009 **Excellence Scholarship, Tilburg University**  
Scholarship for graduate studies awarded to *cum laude* undergraduates.

## Research Presentations (selected)

57 listed, of which 29 were invited (marked with \*) and 28 at peer-reviewed conferences. 4 presentations were given with a coauthor (marked with †).

### **Peer Review Errors and the Gender Productivity Gap**

Sep 2023 European Philosophy of Science Association, University of Belgrade.

### **A Framework for Understanding Disagreements in Evidence-Based Policy Making**, with twelve coauthors

Apr 2023 Philosophy of Science Seminar, University of Bielefeld. \* †

### **How to Measure Credit**

Nov 2022 Biennial Meeting of the Philosophy of Science Association, Pittsburgh.

Feb 2022 Perspectives on Science seminar, University of Helsinki. \*

### **Cumulative Advantage & Incentive to Commit Fraud in Science**

Dec 2023 *Keynote speaker*, Explaining Research Misconducts, Nancy. \*

Sep 2021 European Philosophy of Science Association, University of Turin.

Aug 2021 Philosophy Society, University of Western Australia. \*

### **Publication Bias is Bad for Science if not Necessarily Scientists**, with Liam Kofi Bright

May 2021 Canadian Society for the History and Philosophy of Science Annual Meeting, University of Alberta.

### **Jury Theorems for Peer Review**, w. Marcus Arvan and Liam Kofi Bright

Dec 2020 Research Forum, University of Bayreuth. \*

Nov 2020 Philosophy & Ethics Group Seminar, Eindhoven University of Technology. \*

### **Modeling Peer Review and the Credit Economy**

Aug 2020 Workshop on the History and Philosophy of the Social Sciences, University of Western Australia. \*

### **Frustrating Policy without Lying**

Oct 2019 Challenges of Translating Science into Public Policy, Murdoch University. \*

### **Changing Peer Review to Open Science**

Sep 2019 Philosophy Seminar, Murdoch University. \*

Sep 2019 Building Better Epistemic Networks, Australian Catholic University. \*

### **The Necessity of Commensuration Bias in Grant Peer Review**

Jun 2019 *Keynote speaker*, SILFS Postgraduate Conference, University of Urbino. \*

Jun 2019 Asian Conference on the Philosophy of the Social Sciences, Nankai University.

- Is Peer Review a Good Idea?**, with Liam Kofi Bright
- Jul 2023 The Social Epistemology of Philosophy Journals, University of Leeds. \*
- Nov 2021 Association for Interdisciplinary Metaresearch and Open Science (AIMOS) conference. \*
- Jun 2021 ReproducibiliTea Online, Erasmus University Rotterdam. \*
- Apr 2021 Colloquium Science and Technology Studies, Wuppertal University. \*
- Sep 2020 Center for Science and Technology Studies Seminar, Leiden University. \*
- Nov 2018 Biennial Meeting of the Philosophy of Science Association, Seattle. †
- Why Should Scientists Do Good Science?**
- Jun 2018 *Keynote speaker*, Computational Modeling in Philosophy, Ludwig Maximilian University of Munich. \*
- May 2018 Formal Social Epistemology Workshop, University of California Irvine. \*
- Statistical Biases in Peer Review**
- Apr 2018 HPS Departmental Seminar, University of Cambridge. \*
- Nov 2017 Choice Group, London School of Economics. \*
- Jun 2017 Brown Bag Seminar, RAND Europe. \*
- Jun 2017 Mini-workshop Social Epistemology, University of Groningen. \*
- Epistemic Diversity and Editor Decisions: A Statistical Matthew Effect**, with Jan-Willem Romeijn
- Mar 2018 PEERE International Conference on Peer Review, Rome.
- Jul 2017 Formal Models of Scientific Inquiry, Ruhr-University Bochum.
- Jun 2017 Progress in Science and Society, University of Hannover.
- May 2017 Philosophy Research Seminar, University of Bristol. \* †
- The Credit Incentive to Be a Maverick**
- Apr 2017 Risk and the Culture of Science, University of Cambridge. \*
- The Incentive to Share in the Intermediate Results Game**
- Jul 2017 European Meeting on Game Theory, Paris Dauphine University.
- Mar 2017 EIPE Twentieth Anniversary Conference, Erasmus University Rotterdam.
- Why the Priority Rule Does Not Exist**, with Kevin Zollman
- Sep 2017 European Philosophy of Science Association, University of Exeter.
- Mar 2017 Philosophy of Science Seminar (CamPoS), University of Cambridge. \*
- Sep 2016 Formal Approaches in Social Epistemology, University of Bristol. \*
- When Journal Editors Play Favorites**
- Jun 2017 Inclusion and Exclusion in Philosophy, University of Hannover.
- Nov 2016 Biennial Meeting of the Philosophy of Science Association, Atlanta.
- Jun 2016 Congrès de la Société de Philosophie des Sciences, University of Lausanne.

- Judgment Aggregation in Medical Science**, with Liam Kofi Bright and Haixin Dang
- Mar 2016 Medical Knowledge in a Social World, University of California Irvine.  
**Communism and the Incentive to Share in Science**
- Sep 2015 European Philosophy of Science Association, University of Düsseldorf.
- Aug 2015 Logic Colloquium, University of Helsinki.
- Jul 2015 Bristol-Groningen Conference in Formal Epistemology, University of Bristol.  
**Why the Reward Structure of Science Makes Reproducibility Problems Inevitable**  
 Presented as “Expediting the Flow of Knowledge Versus Rushing into Print”.
- Jun 2016 Formal Epistemology Workshop, University of Groningen.
- Aug 2015 Congress of Logic, Methodology, and Philosophy of Science, University of Helsinki.
- Mar 2015 Research Seminar in Epistemology and Philosophy of Science, Tilburg University. \*
- Vindicating Methodological Triangulation**, with Liam Kofi Bright and Andrew Zucker
- Jan 2015 Scientific Discovery in the Social Sciences, London School of Economics.
- Jan 2015 Colloquium in Mathematical Philosophy, Munich Center for Mathematical Philosophy. \*
- A Game-Theoretic Approach to Peer Disagreement**, with Pieter van der Kolk. Central States Philosophical Association, Northwestern University.  
**Academic Superstars: Competent or Lucky?**  
 Presented as “Three Ways To Become an Academic Superstar” and “Interaction Networks with Imperfect Evidence”.
- Dec 2014 Agent-Based Modeling in Philosophy, Munich Center for Mathematical Philosophy.
- Jun 2014 Society for Exact Philosophy, California Institute of Technology.
- Sep 2013 Philosophy and Theory of Artificial Intelligence, University of Oxford.
- Sep 2013 Congress on Logic and Philosophy of Science, Ghent University.  
**The Bounded Strength of Weak Expectations**, with Jan Sprenger
- Sep 2010 Formal Epistemology Workshop, University of Konstanz.
- Jan 2010 Choice Group, London School of Economics. \* †

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## Teaching Experience

### Courses taught

- 2019–2022 **Decision Theory (x3)**, *University of Western Australia (UWA)*  
2022 **Philosophy of the Social Sciences**, *UWA*  
2022 **Social and Political Philosophy (Honours)**, *UWA*  
2019–2021 **Logic (Advanced) (x2)**, *UWA*  
2020 **Logic (Intro)**, *UWA*  
2020 **Analytic Philosophy (Honours)**, *UWA*  
2019 **The Evolution of Social Behavior (MA)**, *University of Groningen*  
2017 **Conditionals and Counterfactuals**, *University of Cambridge*  
2013–2016 **Epistemology (x2)**, *Carnegie Mellon University (CMU)*  
2012 **Logic (Intro)**, *CMU*

### Postgraduate supervising

- 2020–2022 **PhD Thesis Co-Supervisor**, *UWA*, Jorge Piaia Mendonca Junior  
2022 **MSc Thesis Co-Supervisor**, *UWA*  
2020 **MA Thesis Supervisor**, *Groningen*  
2019 **Honours Thesis Supervisor**, *UWA*  
2017–2018 **MPhil Essay Supervisor (x4)**, *Cambridge*

### As teaching assistant

- 2012–2014 **Medical Ethics, Continental Phil., Introduction to Phil. (x2)**, *CMU*  
2006–2008 **Linear Algebra (x3)**, *Tilburg University*

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## Service

- reviewer *Philosophy of Science, The British Journal for the Philosophy of Science, Mind, Analysis, Australasian Journal of Philosophy, Philosophical Studies, Philosophers' Imprint, Ergo, Philosophical Quarterly, Synthese, Erkenntnis, Studies in History and Philosophy of Science, Episteme, European Journal for Philosophy of Science, Journal for General Philosophy of Science, Australasian Philosophical Review, Economics and Philosophy, Minds and Machines, Royal Society Open Science, Quantitative Science Studies, European Journal of Operational Research, Academia Letters, Collabra: Psychology, Review of General Psychology, BA / Leverhulme Small Research Grants, Cultural Evolution Society.*
- program committees European Philosophy of Science Association (Turin, 2021), Formal Epistemology Workshop (Irvine, 2020 and Turin, 2019), Biases in Science (Munich, 2019), Formal Models of Scientific Inquiry (Bochum, 2017), Games, Interaction, Reasoning, Learning and Semantics (Lund, 2016).



- Aug 2021 Organizer (with four co-organizers) of “Perspectives on Scientific Error: Parsing History and Comparing Viewpoints”, a workshop at the Lorentz Center in Leiden (including €18,500 in competitive funding).
- 2020–2021 Member of UWA’s Humanities Research and Research Training Committee.
- 2019–2021 Mentor (x3) on the Philosophers’ Cocoon Job-Market Mentoring Program.
- 2017–2018 Convenor of reading group “Formal Social Epistemology” at Cambridge.
- 2013–2015 Graduate student representative to the faculty at CMU.
- 2012–2016 Organizer of graduate student colloquia at CMU.