

EMILY SULLIVAN

RESEARCH AREAS

(AOS) Philosophy of Science (general, data and computer sciences); Epistemology (formal, social);
Philosophy of Technology; Ethics

(AOC) Philosophy of Mind; History of Philosophy

EMPLOYMENT

Eindhoven University of Technology

Assistant Professor (Tenure-Track)

January 2020 – continuing

Faculty of Industrial Engineering & Innovation Sciences

Philosophy and Ethics

Delft University of Technology

Postdoctoral Researcher

April 2019 – December 2019

Faculty of Electrical Engineering, Mathematics and Computer Science

Web Information Systems; Delft Data Science

Postdoctoral Researcher

September 2017 – March 2019

Faculty of Technology, Policy and Management

Philosophy and Ethics of Technology

Fordham University

Postdoctoral Teaching Fellow

September 2016 – May 2017

Department of Philosophy

EDUCATION

Fordham University, Bronx, New York

Ph.D., Philosophy, May 2016

M.A., Philosophy, 2011

Dissertation: “Expert Knowing: A Propositional Account of (Scientific) Understanding”

Committee: Stephen Grimm (Fordham); Michael Strevens (NYU); Nathan Ballantyne (Fordham)

Sarah Lawrence College, Bronxville, New York

B.A., Liberal Arts: concentration in Philosophy, Politics, Economics, 2008

Oxford University, Wadham College, Oxford, UK

One-year visiting student, Philosophy and Economics, 2008

PEER-REVIEWED PUBLICATIONS

PHILOSOPHY

forthcoming “Understanding from Machine Learning Models,” *British Journal for the Philosophy of Science*

 PEER-REVIEWED PUBLICATIONS CONTINUED

- forthcoming* “Can Real Social Epistemic Networks Deliver the Wisdom of Crowds?” *Oxford Studies in Experimental Philosophy*. Volume 3. Eds. T. Lombrozo, J. Knobe, & S. Nichols, Oxford University Press. **First author**, with Sondag, M., Rutter, I., Meulemans, W., Cunningham, S., Speckmann, B., & Alfano M.
- 2019 “Universality Caused: The Case of Renormalization Group Explanation,” *European Journal for Philosophy of Science*. 9:36.
- 2019 “Idealizations and Understanding: Much Ado About Nothing?” *Australasian Journal of Philosophy*. DOI:10.1080/00048402.2018.1564337 **First author**, with Kareem Khalifa
- 2018 “Understanding: Not Know-How,” *Philosophical Studies*. 175: pp. 221–40.
- 2018 “Social Network-Epistemology” *IEEE 14th International Conference on eScience*, pp. 320-321 with (listed alphabetically) M. Alfano, S. Cunningham, W. Meulemans, I. Rutter, M. Sondag, & B. Speckmann

COMPUTER SCIENCE

- 2019 “Reading News with a Purpose: Explaining User Profiles for Self-Actualization” *Proceedings of 27th Conferece on User Modeling, Adapation & Personalization Adjunct*. **First author**, with D. Bountouridis, J. Harambam, S. Najafian, F. Loecherbach, M. Makhortykh, D. Kelen, D. Wilkinson, D. Graus, & N. Tintarev.
- 2018 “Same, Same, but Different: Algorithmic Diversification of Viewpoints in News,” *Proceedings of 26th Conferece on User Modeling, Adapation & Personalization Adjunct*. 7-13. **Second author**, with N. Tintarev, D. Guldin, S. Qiu, & D. Odjik.

 INVITED BOOK CHAPTERS

- 2019 “Negative Epistemic Exemplars” with Mark Alfano in *Overcoming Epistemic Injustice: Social and Psychological Perspectives*. Eds. Ben Sherman and Stacey Goguen, Rowman and Littlefield International.
- forthcoming* “Vectors of Epistemic Insecurity ” with Mark Alfano in *Vice Epistemology Theory and Practice*. Eds. Ian Kidd, Quassim Cassam, and Heather Battaly, Routledge.
- forthcoming* “Humility in Social Networks” with Mark Alfano in *Handbook on Humility*. Eds. Mark Alfano, Michael Lynch, and Alessandra Tanesini, Routledge.
- under contract* “Epistemic Responsibility for Online Information Sharing” with Mark Alfano in *Oxford Handbook of Digital Ethics*. Edited by Carissa Veliz, Oxford University Press.
- under contract* “Ethical Guidelines for Natural Language Processing” with Mark Alfano and Amir Ebrahimi Fard in *The Atlas of Language Analysis in Psychology*. Eds. Morteza Dehghani and Ryan L. Boyd, Guilford Press.
- under contract* “Online Trust and Doubt” with Mark Alfano in *Routledge Handbook of Political Epistemology*. Eds. Jeroen de Ridder and Michael Hannon, Routledge.
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 PEER REVIEWED PRESENTATIONS

- 2019 “Reading News with a Purpose: Explaining User Profiles for Self-Actualization” with D. Bountouridis, J. Harambam, S. Najafian, F. Loecherbach, M. Makhortykh, D. Kelen, D. Wilkinson, D. Graus, & N. Tintarev. – *27th Conferece on User Modeling, Adaption & Personalization*; Cyprus
- 2019 “Network-first epistemology” with M. Sondag, I. Rutter, W. Meulemans, S. Cunningham, B. Speckmann, and M. Alfano – *Autonomy, Epistemic Authority, and Epistemic Paternalism Workshop*; The Autonomous University of Madrid
- 2018 “Social Network-Epistemology” with M. Sondag, I. Rutter, W. Meulemans, S. Cunningham, B. Speckmann, and M. Alfano – *IEEE eScience 2018*; Amsterdam
- 2018 “Same, Same, but Different: Algorithmic Diversification of Viewpoints in News” with N. Tintarev, D., Guldin, S. Qiu, and D. Odjik. – *FairUMAP 2018*, Singapore
- 2018 “Understanding from Machine Learning Models” – *11th MuST Conference in the Philosophy of Science*, Turin; Italy
- 2018 “Understanding from Machine Learning Models” – *Explanation and Understanding Workshop*, Ghent; Belgium
- 2018 “Not All Falsehoods” – *Fake Knowledge Conference*, University of Cologne; Germany
- 2018 “Idealizations and Understanding: Much Ado about Nothing?” – *Models and Simulations 8*; North Carolina
- 2017 “Grasping Why” – *OZSW Conference*, Utrecht University; Netherlands
- 2017 “The Epistemic (De)merits of Misleading Information” – *37th Annual Dutch Flemish Day of Philosophy*, VU Amsterdam; Netherlands
- 2016 “The Social Function of Understanding” – *PRP Social Epistemology Workshop*, Rutgers University; New Brunswick, NJ
- 2016 “Valuable Understanding without Achievement” – *Varieties of Understanding Capstone Conference—seminar*, Fordham University; NY, NY
- 2015 “Inter-System Causal Explanations: Rethinking Renormalization” – *SWIP-Analytic Graduate Talks*, CUNY Graduate Center; NY, NY
- 2015 “Valuable Understanding without Achievement” – *Virtue Epistemology Conference*, KU Leuven; Belgium
- 2015 “Transforming Knowledge into Understanding” – *Long Island Philosophical Society Conference*, St. Johns University; Queens, NY
- 2015 “Idealizations, Truth, and Understanding” – *Symposium Paper*, *Central APA*, St. Louis, MI
- 2014 “Understanding from Testimony” – *Central States Philosophical Association*, Northwestern University; Evanston, IL
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PEER REVIEWED PRESENTATIONS CONTINUED

- 2014 “Understanding from Testimony” – *Pittsburgh Area Philosophy Colloquium*, Washington & Jefferson College; Washington, PA
- 2014 “Understanding without Epistemic Credit” – *Collective Intentionality IX*, University of Indiana; Bloomington, IN
- 2012 “Do Scientific Idealizations Threaten a Factive View of Understanding?” – *Aim of Inquiry and Cognition*, University of Edinburgh; Edinburgh, Scotland

INVITED TALKS

- 2019 “Explainability Functions of Algorithms” – Cambridge University; UK
- 2019 “Black-Boxes, Understanding, and Machine Learning” – Tübingen University; Germany
- 2019 “Model Explanation” with Insa Lawler – Lund University; Sweden
- 2019 “Social Network-Epistemology: A Case Study on Vaccine Safety” with M. Sondag, I. Rutter, W. Meulemans, S. Cunningham, B. Speckmann, and M. Alfano – Lund University; Sweden
- 2019 “Doing Interdisciplinary work as a Philosopher” – Fordham University; New York
- 2019 “Vectors of Epistemic Insecurity” with Mark Alfano – University of Connecticut; USA
- 2019 “Black-Boxes, Understanding, and Machine Learning” – Vrije Universiteit Amsterdam
- 2019 “Systems of distributed knowledge through blockchain” – Delft University of Technology
- 2018 “Digital Democracy” – Central Innovation District Conference, Den Haag
- 2018 “Not all Falsehoods” – University of Melbourne; Australia
- 2018 “Not all Falsehoods” – Monish University; Australia
- 2018 “Epistemic Responsibility on Social Media” – University of Melbourne; Australia
- 2018 “Understanding from Machine Learning AI” – University of Copenhagen; Denmark
- 2018 “Digital Humanities and Social Epistemology in a Post-Truth Society” – Tilburg University; Netherlands
- 2017 “Scraping social data” – *Digital Humanities, Social Epistemology, & Virtue Theory in a Post-Truth Society*; Amsterdam
- 2017 “Enabling Constructive Public Discourse on Social Media: A Case Study on Vaccine Safety,” – *Digital Humanities, Social Epistemology, & Virtue Theory in a Post-Truth Society*; Amsterdam
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 INVITED COMMENTARIES

- 2018 "Diversity-Aware Recommender Systems" by Nava Tintarev
Explanation and Understanding in the Age of Algorithms; ZiF Bielefeld Germany
- 2018 "Propaganda, Disinformation and the Epistemic value of Democracy" by Étienne Brown.
Political Epistemology Conference, University of London
- 2014 "Evaluating Moral Truth" by David Atenasio;
Central States Philosophical Association, Northwestern University; IL

 RESEARCH PROJECTS

- 2020 – 2022 Social virtue epistemology: What does it take to be an intellectually humble Socratic gadfly? (Research Contributor)
with Mark Alfano, Jay van Bavel, and Philip Pärnamets
(funded by the John Templeton Foundation) (€844,000)
- 2017 – 2019 Scaffolding the Media for Intellectually Public Discourse (Post-Doc)
with the DHEPCAT research collective at TU Delft and TU/e
(funded by the John Templeton Foundation) (\$250,000)
- 2018 Micro targetting & Local elections (Post-doc)
with H. Hazenberg, J. van den Hoven, S. Cunningham, M. Alfano, H. Ashari,
A. Ebrahimi Fard, E. Turcios Rodriguez
(funded by the Dutch Ministry of Interior) (€30,000)
- 2017 – 2018 Designing Artificial Advice Givers that Consider Perspective and Affect in Reasoning
(Research Contributor) with Nava Tintarev and Mark Alfano,
(funded by Delft Design for Values Institute) (\$20,000)

 TEACHING

- Delft University of Technology** 2017–present
Web Information Systems Group
Project Supervisor: responsible for designing student term projects, student consultations, and grading
 Crowd Computing CS4145: 2 project groups
- Ethics and Philosophy of Technology Group**
Tutor: responsible for leading discussion sections and grading group presentations
 Information Technologies and Values: 2 sections
Essay Supervisor: responsible for grading student essays and student consultations
 The Engineer in Society, WB3073: 1 section
 Ethics for Aerospace Engineering, WM0324: 1 section
- MOOCs discussion moderator:** responsible for facilitating discussions for online courses
 Design for Values: Sharpen your Business Proposal: 1 section
 Dealing with Ethical Dilemma's in Professional Engineering: 1 section
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TEACHING CONTINUED

Fordham University

2012–2017

Department of Philosophy**Instructor of Record:** responsible for course design, lectures, grading, and student consultations

Philosophy of Science, PHIL 3266: 2 sections

Philosophy of Human Nature, PHIL 1000: 9 sections

Philosophical Ethics, PHIL 3000: 5 sections

WORKSHOPS

- 2019 **ICT with Industry** Lorentz Center; Leiden
FDmediagroep: Opening the black box of user profiles in content-based recommender systems
- 2018 **Explanation and Understanding in the Age of Algorithms**; ZiF, Germany
- 2017 **ICT with Industry**; Lorentz Center, Leiden
Blendle: “Did I miss something?”: A complete and personal news selection
- 2017 **Digital Humanities, Social Epistemology, & Virtue Theory in a Post-Truth Society**; Amsterdam
(co-organizer)

GRANTS AND FELLOWSHIPS

- 2011 – 2016 Fordham University: Tuition Scholarship (\$89,000)
- 2011 – 2016 Fordham University: Graduate Fellowship (\$122,000)
- 2016 John Templeton Foundation: Varieties of Understanding Seminar Grant (\$600)
- 2015 Fordham University: Summer Teaching Grant (\$5,000)
- 2015 American Philosophical Association: Travel Grant (\$300)
- 2015 Fordham University: Professional Development Grant (\$1,200)
- 2015 Fordham University: Graduate Research or Writing Workshop (\$300)
- 2014 Fordham University: Summer Teaching Grant (\$5,000)
- 2014 Fordham University: GSA Travel Grant (\$300)
- 2012 Fordham University: GSAS Research Support Grant (\$1,000)

SERVICE

DEPARTMENT**Fordham University**

2014-2017 Women & Minorities in Philosophy Reading Group: Co-founder

2015-2016 Fordham Philosophical Society (Graduate Student Government): Elected Vice President

2014-16 Graduate Research and Writing Workshop: Co-founder and organizer,

2014-2015 Fordham Philosophical Society (Graduate Student Government): Elected Treasurer

2013-2015 Dissertation Colloquium: Organizer and moderator

PROFESSION

Referee: *Acta Analytica* (x1), *American Philosophical Quarterly* (x1), *British Journal for the Philosophy of Science* (x2), *Ethics and Information Technology* (x1), *Erkenntnis* (x1), *Journal of Philosophical Research* (x2), *Pacific Philosophical Quarterly* (x1), *Philosophy and Technology* (x1), *Philosophy of Science* (x2), *Synthese* (x2)
