

# Jeffrey White

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## Research Appointments

2017-present: Cognitive Neurorobotics, Okinawa Institute of Science and Technology, Japan

2022-present: Mind, Cognition and Knowledge Group, Inst. de Filosofia da Nova, Lisbon, Portugal

2021-2022: NOVA-LINCS, Lisbon, Portugal

2015-2016: Cognitive Robotics, KAIST, Daejeon, South Korea

## Teaching Appointments

2021: Senior Lecturer – Industrial Engineering and Innovation Sciences, Eindhoven Technical University, Netherlands

2018-2020: Assistant Professor - Philosophy, University of Twente, Netherlands

2010-2015: Assistant Professor – Humanities and Social Sciences, KAIST, Daejeon, South Korea

2001-2006: Teaching assistant – Philosophy, MU-Columbia, Missouri, USA

## Education

Ph.D. Philosophy, University of Missouri - Columbia, 2006

Dissertation: *Conscience: toward the mechanism of morality*

M.A. Philosophy (Bioethics qualification), Cleveland State University, 2001

M.S. Chemistry, Cleveland State University, 2001

B.A. Philosophy, Bowling Green State University, 1996

B.S. Chemistry (ACS qualification), Bowling Green State University, 1996

## Activities

2024-present: Editor of the Open Forum, *AI & Society*

2022-2024 : Editor of the Student Forum, *AI & Society*

2015-2024: Area editor, *Philpapers.org*; Ethics of AI, Machine ethics, Moral status of artificial systems. I was founding editor for these areas, and populated them with thousands of publications from around the world and from diverse disciplines on associated topics.

Reviewer: *Bloomsbury; Intellect Books; Nature Scientific Reports; Journal of Consciousness Studies; AI; Automation; Sustainability; Control and Intelligent Systems; J; Entropy; Adaptive Behavior; Philosophy & Technology; Philosophies; Prometheus; Plos One; Minds and Machines; Nature Communications; Science & Engineering Ethics; Ethics & Information Technology; Techne; Philosophical Psychology; HYLE; Communitas; AI & Society; Robotics; various MDPI titles; various Frontiers titles; Journal of Value Inquiry; Discover Computing; Humanities and Social Sciences Communications; others ...*

## Publications: single-authored

- "Aspirational Ideals and Information Processing: exploiting isomorphisms in model-based moral education" (invited article) *Journal of Moral Education* (Special issue editor: Hyemin Han) *forthcoming*
- "Self-abduction" (invited chapter) *Abductive Reasoning, Scientific Cognition and Computational Philosophy: Essays in Honor of Lorenzo Magnani* (ed. Selene Arfini), Springer ([https://link.springer.com/chapter/10.1007/978-3-031-96688-0\\_12](https://link.springer.com/chapter/10.1007/978-3-031-96688-0_12)) 2025
- "Variable Value Alignment by Design; averting risks with robot religion" (proceedings) IOP Conference Series: *Materials Science and Engineering* (<https://iopscience.iop.org/article/10.1088/1757-899X/1321/1/012017>) 2024
- "Consilience and AI as technological prostheses" (editorial) *AI & Society* (<https://doi.org/10.1007/s00146-024-02048-1>) 2024
- "Augmenting Morality through Ethics Education: the ACTWith model" (article) *AI & Society* (<https://link.springer.com/article/10.1007/s00146-024-01864-9>) 2024
- "On a possible basis for metaphysical self development in natural and artificial systems" (article) *Filozofia i Nauka: Philosophical and Interdisciplinary Studies* ([http://filozofiainauka.ifispan.waw.pl/wp-content/uploads/2022/05/White\\_71.pdf](http://filozofiainauka.ifispan.waw.pl/wp-content/uploads/2022/05/White_71.pdf)) 2022
- "Autonomous Reboot: Kant, the categorical imperative, and contemporary challenges for machine ethicists" (article) *AI & Society* (<https://link.springer.com/article/10.1007/s00146-020-01142-4>) 2022
- "Autonomous Reboot: Aristotle, autonomy and the ends of Machine ethics" (article) *AI & Society* (<https://link.springer.com/article/10.1007/s00146-020-01039-2>) 2022
- "Finding the "I" with AI: self and its place in the natural order" (proceedings) for the 2021 Summit of the International Society for the Study of Information (IS4SI), *MDPI Proceedings* 2021
- "The role of AI and robotics in technologically mediated human evolution" (article) *AI & Society* (<https://link.springer.com/article/10.1007/s00146-019-00877-z>) 2020
- "Dreyfus on the 'fringe': information processing, intelligent activity, and the current status of thinking machines" (article) *AI & Society* (<https://doi.org/10.1007/s00146-018-0837-5>) 2019
- "Simulation, self-extinction, and philosophy in the service of human civilization" (article) *AI&Society*, Springer (<https://link.springer.com/article/10.1007/s00146-015-0620-9>) 2016

## Publications: single-authored

- "Models of moral cognition" (book chapter) *Model-Based Reasoning in Science and Technology, SAPERE*, Springer ([https://link.springer.com/chapter/10.1007/978-3-642-37428-9\\_20](https://link.springer.com/chapter/10.1007/978-3-642-37428-9_20)) 2014
- "A general theory of moral agency grounding computational implementations: the ACTWith model" (book chapter) *Computational Intelligence*, Alexandru Floares (editor) Nova Science Publishers 2012
- "An Information Processing Model of Psychopathy and Anti-Social Personality Disorders ..." (book chapter) *Psychology of Morality*, Angelo Fruili and Luisa Veneto (editors) Nova Science Publishers 2012
- "Autonomy Rebuilt: Rethinking Traditional Ethics Towards a Comprehensive Account of Autonomous Moral Agency" (article) *Natural Intelligence* ([https://www.inns.org/assets/docs/ni\\_vol1i3\\_ss2012.pdf](https://www.inns.org/assets/docs/ni_vol1i3_ss2012.pdf)) 2012
- "Infosphere to Ethosphere" (article) *International Journal of Technoethics*, IGI Global (<https://www.igi-global.com/article/infosphere-ethosphere-moral-mediators-nonviolent/62309>) 2011
- "Understanding and Augmenting Human Morality: Introduction to the ACTWith model" (proceedings) *Studies in Computational Intelligence #314: Model-Based Reasoning in Science and Technology*, Lorenzo Magnani, C. Pizzi, and W. Carnielli (editors), Springer ([https://link.springer.com/chapter/10.1007/978-3-642-15223-8\\_34](https://link.springer.com/chapter/10.1007/978-3-642-15223-8_34)) 2010
- "Conscience, Consciousness, Sciousness and Science: A glimpse at Neuroethics and the future of moral philosophy" (proceedings) World Congress of Philosophy XXII, Seoul (<https://doi.org/10.5840/wcp22200842370>) 2008
- "How Did Socrates Become Socrates? On the Socratic recipe for the philosophic life" (proceedings) (<https://doi.org/10.5840/wcp22200821197>) 2008
- "Heidegger and the Space of Life" (proceedings) (<https://doi.org/10.5840/wcp22200819775>) 2008
- "Good Will and the Conscience in Kant's Ethical Theory" (proceedings) (<https://doi.org/10.5840/wcp222008101016>) 2008

## Publications: co-authored

- "LLMs, Academic Publication, and Institutional Control" (editorial, with Don Shin, Angelika Suchanová, Manh-Tung Ho, Liam Magee, and Houda Chakiri) *AI & Society* *in press*
- "AI and social stability" (panel proceedings, *AI & Society*/IFAC Values group) IFAC TECIS 2024 2024
- "Countering doomsday projections - trust, ethics and safety in AI systems" (article, with Dietrich Brandt, Jan Söffner, and Larry Stapleton) *The Academic* (<https://theacademic.com/countering-doomsday-projections-trust-ethics-safety-ai-systems/>) 2024
- "Artificial thinking and doomsday projections: a discourse on trust, ethics and safety" (editorial, with Dietrich Brandt, Jan Söffner, and Larry Stapleton) *AI & Society* (<https://link.springer.com/article/10.1007/s00146-023-01810-1>) 2023
- "Cognitive neurorobotics and self in the shared world, a focused review of ongoing research" (article, with Jun Tani) *Adaptive Behavior* (<https://journals.sagepub.com/doi/full/10.1177/1059712320962158>) 2022
- "From biological to synthetic neurorobotics approaches to understanding the structure essential to consciousness (part 3)" (article, with Jun Tani) *APA Newsletter of Philosophy and Computing* 17(1) ([https://www.apaonline.org/general/custom.asp?page=computers\\_newsletter](https://www.apaonline.org/general/custom.asp?page=computers_newsletter)) 2017
- "From biological to synthetic neurorobotics approaches to understanding the structure essential to consciousness (part 2)" (article, with Jun Tani) *APA Newsletter of Philosophy and Computing* 16(2) 2017
- "From biological to synthetic neurorobotics approaches to understanding the structure essential to consciousness (part 1)" (article, with Jun Tani) *APA Newsletter of Philosophy and Computing* 16(1) 2016

## Books

- Rethinking Machine Ethics in the Age of Ubiquitous Technology* (edited volume, with Rick Searle) IGI Global (<https://www.igi-global.com/book/rethinking-machine-ethics-age-ubiquitous/125523>) 2015
- Conscience: the mechanism of morality* (draft monograph from ten years ago, under revision; ranked roughly #300 in recent downloads of all documents indexed on PhilPapers.org, <https://philpapers.org/rec/WHICTM>) monograph draft

## Book reviews

- "Discoverability—the urgent need of an ecology of human creativity" (review of Magnani, 2022) *AI & Society* (<https://link.springer.com/article/10.1007/s00146-023-01637-w>) 2023
- "Machine ethics: From machine morals to the machinery of morality" (review of Pereira and Lopes, 2020) *Prometheus*, Pluto (<https://www.jstor.org/stable/pdf/10.13169/prometheus.36.4.0382.pdf>) 2020
- "Grounding Social Sciences in Cognitive Sciences" (book review of Sun, 2012) *Philosophical Psychology*, Taylor and Francis (<https://www.tandfonline.com/doi/abs/10.1080/09515089.2014.926448>) 2015
- "Reflections on Understanding Violence" (book review of Magnani, 2011) *Biosemiotics*, Springer (<https://link.springer.com/article/10.1007/s12304-012-9148-2>) 2011

## Courses Taught

### KAIST

Introduction to Philosophy	2010, 2011, 2012, 2013, 2014
Ethics	2010, 2012, 2013, 2014
Philosophy of Mind	2010, 2013, 2014, 2015
Robot Ethics	2013, 2014
Minds and Machines (Summer/Winter)	2013, 2014
Information Ethics (Summer)	2014
Philosophy of Information	2015
Analytic Philosophy	2011

### University of Eindhoven

#### SPRING 2021

- Challenge on Data Health-Mobility-Energy - This was a three month, remote appointment. I worked on simplifying course workflow; graduate student coordination and support; online ethics support.

### University of Twente

#### SPRING 2020

- Information Technology (TCS)/Business Information Technology (BIT) - I co-taught philosophy and ethics of information and technology for TCS and BIT degree programs during the students' graduation project semester. I designed course content, including lectures, classroom activities, homework exercises and testing around project-specific themes, supported student research and report composition, and evaluated student results for roughly one-hundred students.
- Creative Technology - I taught philosophy and ethics of engineering and technology with an emphasis on creative design during the students' graduation project semester. I designed course content, including lectures, classroom activities, homework exercises and testing around project-specific themes, supported student research and report composition, and evaluated student results for roughly one-hundred students.
- International Business Administration - I taught business ethics during the students' graduation project semester. I designed course content, including lectures, classroom activities, homework exercises and testing around project-specific themes, supported student research and report composition, and evaluated student results for more than one-hundred students.
- Mechanical engineering, fluid dynamics – I taught ethics of engineering and technology during the students' graduation project semester. I designed course content in close collaboration with course and program directors, including Claas Visser (contact information in Current References) including lectures, classroom activities. and testing around project-specific themes, supported student research and report composition, and evaluated student results for more than one-hundred students.
- Ethics and Technology II – I lectured on machine ethics and evaluated final exams for this graduate Ethics of Technology course, for roughly twenty students.

## University of Twente

### FALL 2019

- Information Technology (TCS)/Business Information Technology (BIT) - I co-taught philosophy and ethics of information and technology for TCS and BIT degree programs during the students' graduation project semester. I designed course content, including lectures, classroom activities, homework exercises and testing around project-specific themes, supported student research and report composition, and evaluated student results.
- Creative Technology - I taught philosophy and ethics of engineering and technology with an emphasis on creative design during the students' graduation project semester. I designed course content, including lectures, classroom activities, homework exercises and testing around project-specific themes, supported student research and report composition, and evaluated student results.
- Electrical Engineering - I designed and taught a large graduate course titled "Perspectives on Engineering Design" for more than one hundred students. I emphasized the value of diverse personal experience on engineering and design, organized and moderated guest lectures with local experts and industry leaders, and evaluated final workbooks.
- Mechanical Engineering – I lectured on engineering ethics for roughly two hundred first year mechanical engineering students, and evaluated final exam ethics content.

### SPRING 2019

- International Business Administration – I taught business ethics during the students' graduation project semester. I designed course content, including lectures, classroom activities, homework exercises and testing around project-specific themes, supported student research and report composition, and evaluated student results for more than one-hundred students.
- Communication - I taught ethics during the students' graduation project semester. I designed course content, including lectures, classroom activities, homework exercises and testing around project-specific themes, supported student research and report composition, and evaluated student final presentations for more than one-hundred undergraduate Communications students.
- Mechanical engineering, fluid dynamics – I taught ethics of engineering and technology during the students' graduation project semester. I designed course content in close collaboration with course and program directors, including Claas Visser (contact information in Current References) including lectures, classroom activities. and testing around project-specific themes, supported student research and report composition, and evaluated student results for more than one-hundred students.
- Creative technology – I taught philosophy and ethics of engineering and technology with an emphasis on creative design during the students' graduation project semester. I designed course content, including lectures, classroom activities, homework exercises and testing around project-specific themes, supported student research and report composition, and evaluated student results for roughly one-hundred students.
- Information Technology (TCS)/Business Information Technology (BIT) – I co-taught philosophy and ethics of information and technology for TCS and BIT degree programs during the students' graduation project semester. I designed course content, including lectures, classroom activities, homework exercises and testing around project-specific themes, supported student research and report composition, and evaluated student results for roughly one-hundred students.
- Psychology – I designed and led a philosophy of cognitive science and applied ethics course for more than two-hundred undergraduate Psychology students during their graduation project semester., administered philosophy and ethics of psychology tutorials, advised student research, and designed and evaluated long-form final testing.
- Philosophy, graduate course Ethics and Technology II - I designed and taught a graduate course in Ethics and Technology for roughly twenty graduate Philosophy of Technology students, crafted in-class exercises and quizzes, emphasizing critical engagement with foundational works alongside development of professional skills including "elevator pitch" style composition and communication, public speaking, and peer-review.

## Conferences, talks and seminars

IFAC Conference on Technology, Culture and International Stability 2024 - Panel on AI and Social Stability (moderator)	2024
Embodied Intelligence 2024 - "Embodied authenticity in robots" (speaker)	2024
International Society for the Philosophy of the Sciences of the Mind 2023 - "Differential development of religious cognition in natural and artificial systems" (speaker); session chair, Moral Cognition and Motivation, Agency and its Disorders	2023
Lisbon Mind, Cognition and Knowledge group - "Augmenting Moral Cognition: empathy training with the ACTWith model" (speaker)	2023
Embodied Intelligence 2023 - "Augustine and developmental correlates of an artificial soul" (speaker)	2023
Lisbon Mind and Reasoning group - "Happiness, purpose in life, and the self: what is outside of your head once you've have figured out what is inside it" (speaker)	2022
Summit of the International Society for the Study of Information (IS4SI) "Finding the "I" with AI – modeling self and its place in the natural order" (speaker)	2021
Sharif Graduate School - "Paper vs electronic reading devices, impacts on cognition and learning, and the value of a library" (speaker)	2021
Philosophy of Human Technology Relations 2020, University of Twente – "On the potential to mediate cooperative social transformations in an era of ubiquitous revolt" (speaker; chair of Session 17: Technology and Politics)	2020
University of Twente Tech and Values Seminar – "Machine ethics: solving the moral hard problem" (speaker)	2020
OZSW – Amsterdam – "A Garden too Perfect? The Neglect of Cognition in the Landscape of Ecological Enactivism" (co-speaker)	2019
Kongress der Wissenssolzologie, Koblenz – "Artificial Objectification, its potential and reality" (speaker)	2019
University of Twente Philosophy Colloquium – "The Compass Point of Conscience: a Kantian interpretation of systems neuroscience" (speaker)	2019
Sharif Spring School Conference on Ethics of AI, Tehran - "Ethical issues in AI" (speaker)	2019
Dutch Research school of Philosophy (OZSW) 6th annual conference, University of Twente, Netherlands (session chair)	2018
University of Twente Tech and Values Seminar – "The role of AI and robotics in transitions through ongoing and anticipated critical periods: a constructive proposal" (speaker)	2018
World Congress of Philosophy, Beijing, session: #58 Philosophy of Artificial Intelligence (co-chair)	2018
Tilburg University, Netherlands – "Prospects for fully autonomous (Kantian) AMAs" - (speaker)	2017
Conference on Ethics and Artificial Intelligence, University of Agder, Norway - "Prospects for fully autonomous (Kantian) AMAs" - (speaker)	2017

## Conferences, talks and seminars

OIST, Okinawa – "Prospects for fully autonomous AMAs" - (seminar)	2017
COGSCI 2017 (referee)	2017
TV Chosun Global Leaders Forum, Seoul, session: Abolishing Government – "Abolishing government? Managing transitions" (speaker)	2016
COGSCI 2016 (referee)	2016
ICISTS – KAIST 2015 (speaker)	2015
7th Beyond Humanism Conference, Ewha University, Seoul (speaker, session chair)	2015
COGSCI 2015 (referee)	2015
ICISTS – KAIST 2014 (speaker)	2014
COGSCI 2014 (referee)	2014
KAIST workshop on Abduction (MC)	2013
ICISTS – KAIST 2013 (speaker)	2013
MBR 2012, Italy, "Modeling non-violent social transformation" (speaker)	2012
MBR 2012, Italy, "Modeling Morality" (speaker)	2012
The Changing Face of War, Wiley-Blackwell Exchanges Online Conference Series (discussant)	2011
Harmony and Order vs. Spontaneity and Revolt in Eastern and Western Philosophies, The University of Hong Kong, "Toward a Universal Framework for Understanding Harmony and Revolt: the spontaneous as natural in Wittgenstein and Heidegger" (speaker)	2010
Model Based Reasoning (MBR) 2009, Brazil, "Understanding and Augmenting Human Morality: An Introduction to the ACTWith Model of Moral Cognition" (speaker)	2009
Seoul National University, "Philosophical Implications of Gender Differences in Brain and Cognition: a review of recent research" (guest lecture) Moon Sook Byeon (course instructor)	2008
World Congress of Philosophy XXII, Seoul National University, "Conscience, Consciousness, Sciousness And Science: A Glimpse At Neuroethics And The Future Of Moral Philosophy" (speaker)	2008
World Congress of Philosophy XXII, Seoul National University, "How Did Socrates Become Socrates?: On the Socratic Recipe for the Philosophic Life" (speaker)	2008
World Congress of Philosophy XXII, Seoul National University, "Heidegger And The Space Of Life" (speaker)	2008
World Congress of Philosophy XXII, Seoul National University, "Good Will and the Conscience in Kant's Ethical Theory" (speaker)	2008

## Current References

### *Scholarship and research*

Lorenzo Magnani  
Emeritus Professor, Philosophy  
University of Pavia, Pavia, Italy  
lorenzo.magnani@unipv.it

Karamjit Gill  
Emeritus Professor, Human-Centered Systems; Editor-in-chief, *AI & Society*  
University of Brighton, Brighton, UK  
kgillbton@yahoo.co.uk

Jun Tani  
Professor, Cognitive Neurorobotics  
Okinawa Institute of Science and Technology, Okinawa, Japan  
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### *Teaching and collegiality*

Claas Visser  
Associate Professor, Engineering Technology  
University of Twente, Enschede, Netherlands  
c.visser@utwente.nl

Stephanie Hensing  
Managing Director of 4TU Resilience Engineering, and Digital Society Institute  
University of Twente, Enschede, Netherlands  
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