

Caterina Moruzzi, PhD

Curriculum Vitae

Selected Publications

- Moruzzi, Caterina. (forthcoming) ‘The (Artificial) Physicality of Creativity: How Embodiment Influences Perceptions of Creativity.’ in Proceedings of [ICCC’22](#).
- Moruzzi, Caterina. (forthcoming) ‘Perceptions of Creativity in Artistic and Scientific Processes’. Proceedings of [xCoAx2022](#).
- Moruzzi, Caterina. (forthcoming) ‘Toward Out-of-Distribution Generalization Through Inductive Biases.’ in Vincent C. Müller (ed.), *Philosophy and theory of artificial intelligence 2021* (SAPERE; Berlin: Springer).
- (forthcoming) Fossa, Fabio, Moruzzi, Caterina and Mario Verdicchio (eds.). *Creativity in the Light of AI*. Special issue in [Odradek](#).
- 2022. Moruzzi, Caterina. ‘Climbing the Ladder: How Agents Reach Counterfactual Thinking’. In *Proceedings of the 14th International Conference on Agents and Artificial Intelligence 3*: 555-560. ISBN 978-989-758-547-0, ISSN 2184-433X.
- 2022. Moruzzi, Caterina. ‘[Everyone Can Change a Musical Work](#)’. In *The British Journal of Aesthetics* 62(1): 1–13.
- 2021. Moruzzi, Caterina. ‘[On the Relevance of Understanding for Creativity](#)’, Proceedings of AISB2021.
- 2021. Moruzzi, Caterina. ‘Improvisation as Creative Performance’, in Bertinetto, A. and Ruta, M. (eds.) [Handbook of Philosophy and Improvisation in the Arts](#), London: Routledge.
- 2020. Moruzzi, Caterina. ‘[Artificial Creativity and General Intelligence](#)’, *Journal of Science and Technology in the Arts* 12(3): 84-99.
- 2020. Moruzzi, Caterina. ‘Looking for Creativity: GANs as a Paradigm of Autonomy in Software for Music Composition’, in [Be My GAN: Arte e Intelligenza Artificiale](#), ed. by Alice Barale, Milano: Jaca Book.
- 2020. Moruzzi, Caterina. ‘[Measuring Creativity: An Account of Natural and Artificial Creativity](#)’, *European Journal for Philosophy of Science* 11 (1).
- 2020. Moruzzi, Caterina. ‘[The Assumptions Behind Musical Stage Theory: A Reply to Letts](#)’, *Journal of Aesthetics and Art Criticism* 78 (3): 362-366.
- 2019. Moruzzi, Caterina. ‘[An Ontological Justification for Contextual Authenticity](#)’, *British Journal of Aesthetics*, 59 (4): 413-427,
- 2018. Moruzzi, Caterina. ‘[Every Performance is a Stage: Musical Stage Theory as a Novel Account for the Ontology of Musical Works](#)’, *Journal of Aesthetics and Art Criticism*, 76 (3): 341-351, DOI:10.1111/jaac.12579 (OA).

- 2018. Moruzzi, Caterina. ‘Creative AI: Music Composition Programs as an Extension of the Composer’s Mind’, in Müller, Vincent C. (ed.), *Philosophy and Theory of Artificial Intelligence 2017*, SAPERE; Berlin: Springer.

Employment

- 10.2020– **Research Assistant**, Department of Philosophy, University of Konstanz. Project: present Natural and Artificial Creativity.
- 10.2019– **Postdoctoral Researcher**, Interdepartmental Centre for Knowledge Interchange (ICK4I), Università degli Studi di Torino. Project: The interdisciplinary implications of the new frontier of Artificial Intelligence.
- 01.– **Postdoctoral Researcher**, Faculty of Arts, University of Nottingham, Project: 09.2019 Creativity in Generative Models of Music Composition.

Education

- 10.2014– **Ph.D. in Philosophy (fully funded)**, University of Nottingham, Pass with no 09.2018 corrections.
- 05.2016– **Graduate Research Trainee (fully funded)**, McGill University, Montréal, 06.2016 Canada.
- 10.2012– **MA in Philosophy (fully funded)**, Università Alma Mater Studiorum di Bologna, 07.2014 Italy, 110/110 cum laude.
- 10.2003– **B.Mus. in Piano**, Conservatorio G.B. Martini di Bologna, Italy, 110/110 cum laude. 07.2014
- 10.2009– **BA in Philosophy**, Università Alma Mater Studiorum di Bologna, Italy, 110/110 07.2012 cum laude.

Teaching Experiences

- 2021– **Lecturer, University of Konstanz.**
2022

Dept. of Philosophy, *Nelson Goodman: Languages of Art*, *The Present and Future of AI Research (in co-teaching with Jun-Prof. Dr. Diego Frassinelli, Department of Linguistics)*, *Early Lunch Philosophy*, *What You See Is (Not Always) What You Get*, *Cutting-Edge Debates in Artificial Intelligence (in co-teaching with Jun-Prof. Dr. Diego Frassinelli, Department of Linguistics)*.

- 2020– **Lecturer, University of Konstanz.**
21

Dept. of Philosophy, *Early Lunch Philosophy*, *Being True to Music: When is a Musical Work Authentic?*, *Thinking Fast and Slow: What Can Computers Learn from the Human Mind?*, *Introduction to the Philosophy of Art*, *Cutting-Edge Debates in Artificial Intelligence (in co-teaching with Jun-Prof. Dr. Diego Frassinelli, Department of Linguistics)*.

- 2015– **Lecturer, University of Nottingham.**
19

Dept. of Philosophy, *Self, Mind, and Body, History of Western Philosophy, Advanced Topics in Aesthetics, Appearance and Reality, Introduction to Ethics, Reasoning and Argument, Mind and Consciousness.*

Dept. of Music, *Research Techniques, Introduction to the Philosophy and Aesthetics of Music.*

Selected Honors and Grants

- Associated Fellow of the [Zukunftskolleg](#), Institute for Advanced Study of the University of Konstanz, November 2021-present.
- Transdepartmental Collaborative Teaching grant of 5,000€ for the organisation of the Seminar "The Present and Future of AI Research", in collaboration with the Department of Linguistics, University of Konstanz (Summer Semester 2022).
- Total of 14.700,00€ of funding received for the organization of [TEDx Konstanz 2022](#) from [Johner Institut GmbH](#), [Stadtwerke Konstanz](#), Zukunftskolleg, University of Konstanz, VEUK, University of Konstanz.
- External collaborator in the project "AI Futures and the Curated Visitor Experience", [Minderoo-Oxford Challenge Fund in AI Governance](#).
- Honorary Research Associate, Department of Music, University of Nottingham, 2018-present.
- Grant of 1752,00€ from the Dr. August und Annelies Karst Stiftung, University of Konstanz for the project "Agency and Scientific Creativity".
- Department of Philosophy, University of Nottingham fund of £700, Analysis Trust grant of £400, and Midlands3Cities/AHRC Cohort Development Fund of £4000 for the organisation of the conference 'Philosophy in Progress: Postgraduate Conference of Philosophy', University of Nottingham, 10-11.01.2018.
- Midlands3Cities Student Development Fund of £3319, British Society of Aesthetics Travel Stipend of £850, Chayes Travel fund of 1000\$, AISB fund of £340, Swiss Research National Funding of £500, and Arché Society funding of £100 to present at some of the conferences mentioned in the section 'Selected Talks'.
- Graduate School Travel Prize of £600 and Midlands3Cities Student Development Fund of £1382.65 for a research visiting period as a Graduate Research Trainee at McGill University, May-June 2016.

Selected Talks

- TBC, [Conference on Formal Models of Causation in Law](#), Hamburg, 16-17th June 2022.
- 'Perceptions of Creativity in Artistic and Scientific Processes', [xCoAx2022](#), Coimbra, Portugal, 6-8th July 2022.
- 'The (Artificial) Physicality of Creativity: How Embodiment Influences Perceptions of Creativity', [ICCC'22](#), Bolzano, 27th June - 1st July 2022.
- 'Artificial Creativity: Promises and Challenges'. Online lecture in course Philosophy of Technology and AI, University of Porto, 25th April 2022.
- 'From Availability to Interaction', Impulse Talk at the [International Colloquium of the Centre for Human Data Society](#), University of Konstanz, 22nd April 2022.

- 'Causal Representation: Toward a More Robust Artificial Intelligence', Philosophy of Science Colloquium, University of Bern, 15.03.2022
- 'Climbing the Ladder: How Agents Reach Counterfactual Thinking', ICAART, 14th International Conference on Agents and Artificial Intelligence, 3 February 2022.
- 'Reaching Out-of-Distribution Generalization Through Robustness', 4th Conference on "Philosophy and Theory of Artificial Intelligence", Gothenburg, Sweden, 28th September 2021.
- 'Is Artistic Creativity Necessarily Human?', XPhiEurope 2021, 18.06.2021.
- 'On the Relevance of Understanding for Creativity', AISB2021, 08.04.2021.
- 'What's the Point of Machine Art? Reflecting on AI Art and its Discontents', SAF Talk, University of Edinburgh, 18.02.2021.
- 'Disclosing Musical Works' Meaning: A Comment on Dodd's "Being True to Works of Music"', APA Eastern Meeting 2021, 08.01.2021.
- 'Humans Don't Like AI Art', xCoAx Conference, 08.07.2020.
- 'Learning Through Creativity', Symposium 'Ethics and Philosophy of Machine Learning in Science', Max Planck Institute for Intelligent System, Tübingen, 15.05.2019.
- 'AI-Generated Music: Creativity and Autonomy', Philosophy After AI: Language, Imagination, and Creativity Symposium, AISB2019, Falmouth University, 16.04.2019.
- 'Generative Adversarial Networks as an Autonomous Model of Music Composition', Algorithmic Music: Value, Creativity and Artificial Intelligence, Royal Music Association, London, 11.04.2019.
- 'Robo-Bach: Can Artificial Intelligence be Musically Creative?', Creativity in Art, Science, and Mind conference, Leverhulme Centre for the Future of Intelligence, University of Cambridge, 27.07.2018.
- 'Authenticity in Practice: An Ontological Justification for Contextual Authenticity', ASA Pacific Meeting, California, 06.04.2018.
- 'Creative AI: Music Composition Programs as an Extension of the Composer's Mind', International Conference on Artificial Intelligence and Information, Faculty of Arts, University of Porto, 07.12.2017.
- 'Creative AI: Music Composition Programs as an Extension of the Composer's Mind', Conference on "Philosophy and Theory of Artificial Intelligence", Leeds, 05.11.2017.
- 'A Revisionary Account of Musical Improvisation and Authenticity within Musical Stage Theory', Conference on Authenticity versus Improvisation in the Philosophy of Music, University of Bern, 20.05.2017.

--- Services to the Profession and Other Responsibilities

- Organizer of workshop 'The Role of Embodiment in the Perception of Human and Artificial Creativity', as part of [ICCC'22](#), June 27-July 1, 2022, Bozen, Italy.
- Guest editor of the Special Issue 'Agency, Counterfactuality, and Creativity', *Minds and Machines*.
- Lead organizer of [TEDxKonstanz 2022](#), May, 6 2022 Kulturzentrum am Münster, Konstanz.

- Representative in the committee of the Humanities Section, Universität Konstanz, 2021-.
- Member of Review Panel in the Research Grants Council (RGC) of Hong Kong.
- Curator of the volume on machine creativity and digital art of the journal *Odradek - Studies in Philosophy of Literature, Aesthetics and New Media Theories*, 2021.
- Lead Organiser of the international conference ‘*Philosophy in Progress: Postgraduate Conference of Philosophy*’, University of Nottingham, 10-11.01.2018.
- Referee for *Journal of Aesthetics and Art Criticism*, *Canadian Journal of Philosophy*, *Organon F - Journal of Analytic Philosophy*, *European Journal for Philosophy of Science*, *Frontiers in Robotics and AI*, *British Journal of Aesthetics*, *The Journal for the Philosophy of Language, Mind and the Arts*, *Biology & Philosophy*.

Skills

- **Quantitative and Qualitative Analysis**
Survey design and Analysis
Certificate obtained from the Central Short Courses, University of Nottingham
- **IT**
Office suite, Mac Os suite, Adobe, L^AT_EX, Wordpress.
Database and multimedia archives.
Applied Data Science with Python - Level 2 (issued by IBM), including *Python for Data Science*, *Data Visualization with Python*, *Data Analysis Using Python*.
HIS-QISFSV funds management system.
- **Digital Humanities**
Software and equipment linked to digital humanities research (copystand, scanner, video and graphics software, 3D printer), E-learning techniques.